JVC

SERVICE MANUAL

COLOR TELEVISION

AV-27FA44/ASA, AV-27FA44/AZA, AV-32FA44/AYA, AV-32FA44/AZA, AV-36FA44/AYA

BASIC CHASSIS
GJ2

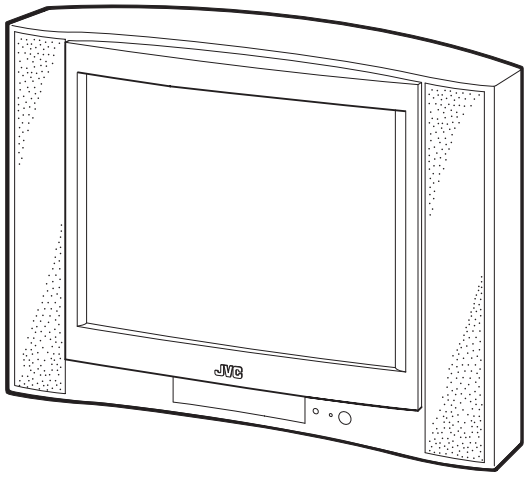

TABLE OF CONTENTS

1 PRECAUTION 1-3
2 SPECIFIC SERVICE INSTRUCTIONS 1-4
3 DISASSEMBLY 1-9
4 ADJUSTMENT 1-15
5 TROUBLE SHOOTING 1-38

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No.52114
2003/6

SPECIFICATION

Items		Contents		
		AV-27FA44	AV-32FA44	AV-36FA44
Dimensions (W × H × D)		82.9 cm × 59.3 cm × 51.9cm (32-3/4" × 23-3/8" × 20-1/2")	93.9 cm × 68.5 cm × 50.0cm (37" × 27" × 22-1/2")	102.3 cm × 75.6 cm × 61.3cm (40-3/8" × 29-7/8" × 24-1/4")
Mass		43.0kg (94.6lbs)	64.0kg (140.8lbs)	85.0kg (187.0lbs)
TV RF System		CCIR(M)		
Color System		NTSC		
Sound System		BTSC (Multi Channel Sound)		
TV Receiving Channels and Frequency	VHF LOW	02ch~06ch : 54MHz~88MHz		
	VHF HIGH	07ch~13ch : 174MHz~216MHz		
	UHF	14ch~69ch : 470MHz~806MHz		
	CATV	54MHz~804MHz Low Band : 02~06, A-8 by 02~06&01 High Band : 07~13 by 07~13 Mid Band : A~I by 14~22 Super Band : J~W by 23~36 Hyper Band : W+1~W+28 by 37~64 Ultra Band : W+29~W+84 by 65~125 Sub Mid Band : A8, A4~A1 by 01, 96~99		
TV / CATV Total Channel		180 Channels		
Intermediate Frequency	Video IF Carrier	45.75 MHz		
	Sound IF Carrier	41.25 MHz (4.5MHz)		
Color Sub Carrier		3.58 MHz		
Power Input		AC120V , 60Hz		
Power Consumption		140W	160W	←
Picture Tube (Visible size)		68cm (27") Measured diagonally (H : 54.4cm × W : 41.8cm)	80cm (32") Measured diagonally (H : 65.6cm × W : 49.6cm)	90cm (36") Measured diagonally (H : 74.0cm × W : 55.9cm)
High Voltage		30.0kV ±1.3kV	31.4kV ±1.3kV	←
Speaker		6.5cm × 13cm (2-1/2" × 5"), Oval type × 2		
Audio Power Output		10W + 10W		
Antenna Terminal (VHF / UHF)		F-type connector, 75 Ω unbalanced		
Input1 (Rear)	Video	1V(p-p), negative sync, 75 Ω, RCA pin jack × 1		
	S-video	Mini DIN 4-pin × 1 Y : 1V(p-p), negative sync, 75 Ω C : 0.286V(p-p)(burst signal), 75 Ω		
	Audio	500mV(rms)(-4dBs), high impedance, RCA pin jack × 2		
Input2 (Rear)	Video	1V(p-p), negative sync, 75 Ω, RCA pin jack × 1		
	Component Video	Y : 1V(p-p), negative sync, 75 Ω, RCA pin jack × 1 Pb/Pr : 0.7V(p-p), 75 Ω, RCA pin jack × 2		
	Audio	500mV(rms)(-4dBs), high impedance, RCA pin jack × 2		
Input3 (Front)	Video	1V(p-p), negative sync, 75 Ω, RCA pin jack × 1		
	Audio	500mV(rms)(-4dBs), high impedance, RCA pin jack × 2		
Audio Output (Fix)		500mV(rms)(-4dBs), low Impedance, (400kHz when modulated 100%), RCA pin jack × 2		
AV COMPULINK lll		3.5mm mini jack × 1		
Remote Control Unit		RM-C1251G (AA/R6/UM-3 battery × 2)		

Design & specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Use isolation transformer when hot chassis.**
The chassis and any sub-chassis contained in some products are connected to one side of the AC power line. An isolation transformer of adequate capacity should be inserted between the product and the AC power supply point while performing any service on some products when the HOT chassis is exposed.

(5) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (⏚) side GND and EARTH : (⏚) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.

(6) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See B1 POWER SUPPLY check).

(7) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.

(8) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.

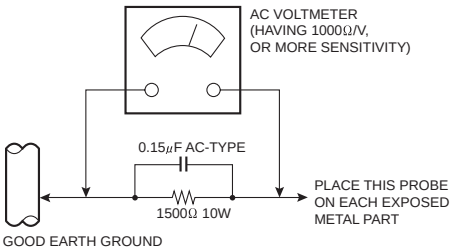
(9) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(10) **Isolation Check (Safety for Electrical Shock Hazard)**
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

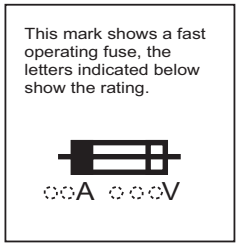
a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 1100V AC (r.m.s.) for a period of one second.
(. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

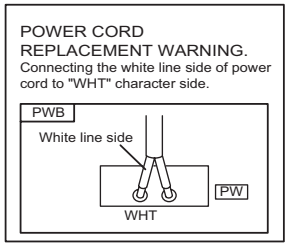
b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



(11) **High voltage hold down circuit check.**
After repair of the high voltage hold down circuit, this circuit shall be checked to operate correctly.See item **"How to check the high voltage hold down circuit"**.





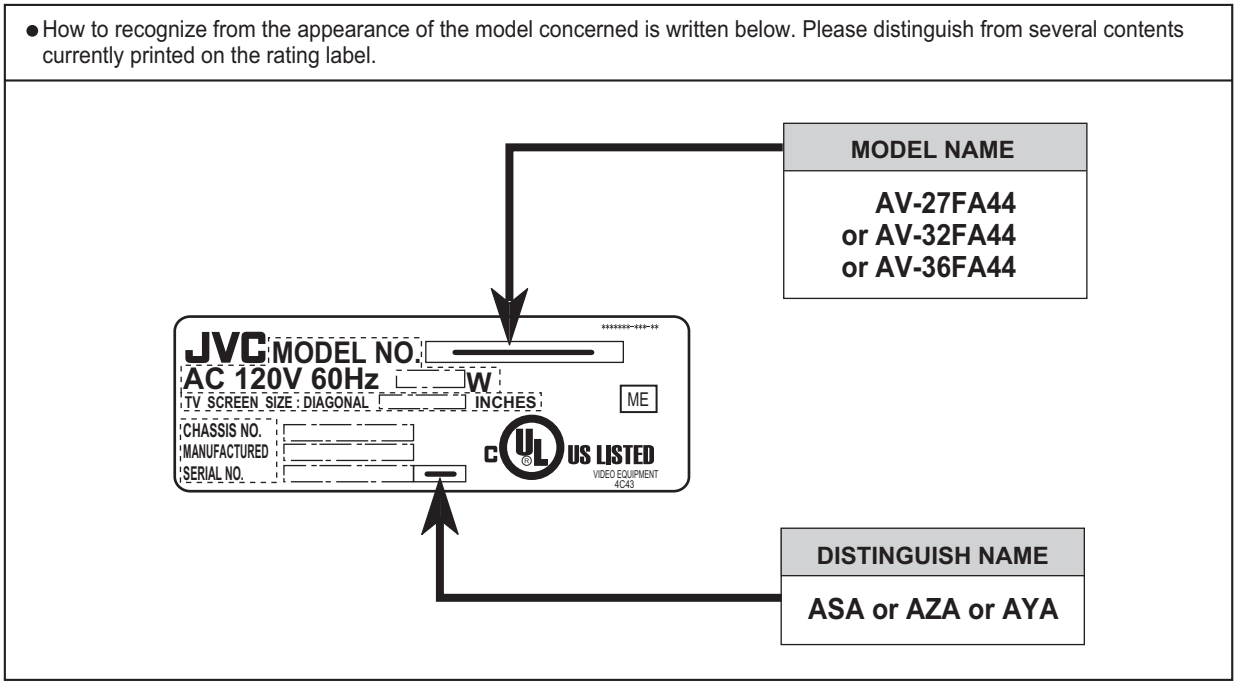
SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

- New chassis (GJ2) design enables use of a single board with simplified circuitry.
- Users can make fun to connect the DVD player with the component video signal input terminal.
- Provided with miniature tuner (TV/CATV).
- Multifunctional remote control permits picture adjustment.
- Adoption of the CHANNEL GUARD function prevents the specific channels from being selected, unless the "ID number" is key in.
- I^2C bus control utilizes single chip ICs.
- Adoption of the VIDEO STATUS / THEATER PRO. function.
- Adoption of the ON/OFF TIMER and SLEEP TIMER function.
- Built-in V-CHIP system.
- Closed-caption broadcasts can be viewed.
- HYPER-SURROUND system.
- S-VIDEO input terminal for taking best advantage of Super VHS.
- Digital Comb filter Improved picture quality.
- Adoption of the ASPECT MODE (4:3/ 16:9) function.

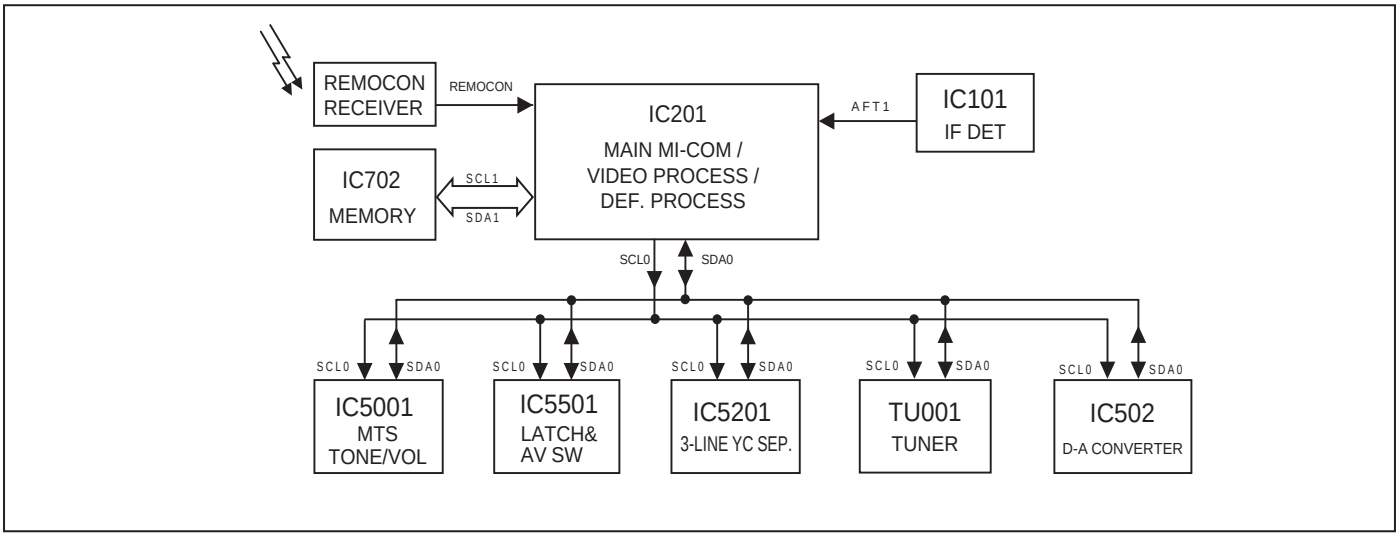
2.2 HOW TO IDENTIFY MODELS

● How to recognize from the appearance of the model concerned is written below. Please distinguish from several contents currently printed on the rating label.



2.3 TECHNINAL INFORMATION

2.3.1 SYSTEM BLOCK DIAGRAM



2.3.2 MAIN MI-COM (CPU) PIN FUNCTION

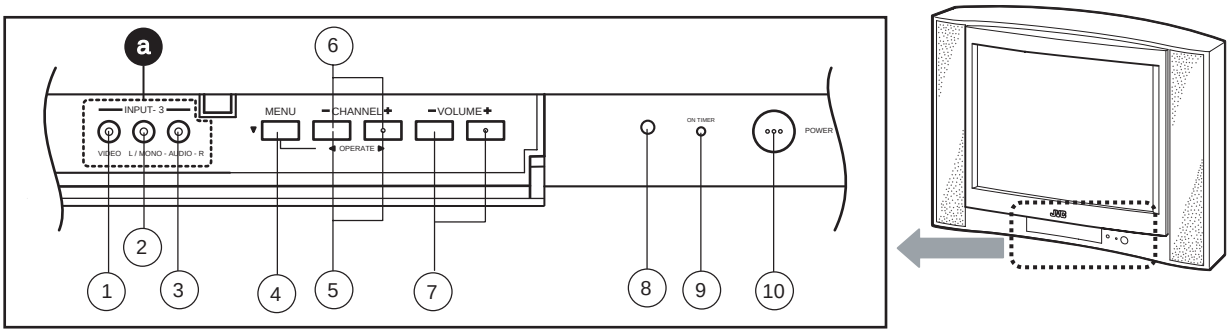
Pin No.	Pin name	I/O	Function	Pin No.	Pin name	I/O	Function
1	AFT2	I	Not used	29	YCD_GND	-	GND
2	AFT1	I	AFT voltage for tuner (Tuning frequency control)	30	Vin1	I	Not used
3	KEY	I	Key scan for front control [No signal : H]	31	ABCL	I	Current for automatic beam (brightness)/contrast limit
4	uP DVss	-	GND	32	Monitor	O	Not used
5	Reset	I	CPU reset	33	Black_Det	-	Black level detection filter
6	Xout	O	CPU system clock : 8MHz oscillation	34	SVM_out	O	Y signal for scan velocity modulation
7	Xin	I	CPU system clock : 8MHz oscillation	35	APL_Fil	-	Average picture level filter
8	TEST	-	GND	36	APC_Fil	-	Automatc phase control filter
9	uP_DVDD	-	5V	37	3.58MHz	O	Color sub carrier (3.58MHz) for 3-line digital comb filter [IC5201]
10	AGC_MUTE	O	AGC muting for tuner (when channel select) [Muting : H]	38	YC_Vcc_5V	-	5V (for video process circuit)
11	UP_VVss	-	GND	39	R_out	O	R signal
12	TV_HGND	-	GND	40	G_out	O	G signal
13	FBP_SCP	I	Flyback pulse (H. pulse)	41	B_out	O	B signal
14	Hout	O	H. drive (oscillation)	42	RGB_Vcc_9V	-	9V (for RGB process circuit)
15	H_Vcc_9V	-	9V (for H. oscillation start)	43	IK in	I	Not used
16	HAFC_1	-	H. AFC filter	44	TV_DGND	-	GND
17	Vsaw	-	V. saw filter	45	uP_MPAGND	-	GND
18	Vout	O	V. drive	46	uP_MPAVDD	-	5V
19	EW_out	O	Parabola waveform (for sidepin correection)	47	MAIN_POWER	O	Power on/off switching control [Powen on : L]
20	Xray	I	X-ray detection (for protection) [Detection : H]	48	HAZARD	I	B1 over cuurent / V. amplitude detection (for protect) [Defective : H]
21	Ys	I	Not used	49	SDAO	I/O	Data for Inter IC control bus (for various devices)
22	Cb_input	I	Cb (external) signal	50	SCLO	O	Clock for Inter IC control bus (for various devices)
23	Y_input	I	Y (external) signal	51	SDA1	I/O	Data for Inter IC control bus (for main memory)
24	Cr_input	I	Cr (external) signal	52	AGC ADJUST	O	AGC adjustment (for tuner) <S45 in Service menu>
25	DVcc_3.3V	-	3.3V	53	SCL1	O	Clock for Inter IC control bus (for main memory)
26	V3in/Cin	I	Chroma signal (for YC separation output)	54	LED	O	POWER / ON TIMER LED Indication [lighting : L]
27	EHT_in	I	Not used	55	REMOCON	I	Remote control sensor input [No input : H]
28	V2in/Y	I	Y signal (for YC separation output)	56	COMPULINK	I	AV COMPULINK III control [No input : H]

2.4 MAIN DIFFERENCE LIST

Item	AV-27FA44		AV-32FA44		AV-36FA44
	ASA	AZA	AYA	AZA	AYA
CRT (Pictru Tube) Size	27V		32V		36V
CRT Suface Treatment	Crear + Coating		Tint		Tint
Electric Gun	Non-DAF		DAF		DAF
High Voltage	30kV±1.3kV		31.4kV±1.3kV		31.4kV±1.3kV
Dimensions (W × H × D)	82.9 cm × 59.3 cm × 51.9cm (32-3/4" × 23-3/8" × 20-1/2")		93.9 cm × 68.5 cm × 50.0cm (37" × 27" × 22-1/2")		102.3 cm × 75.6 cm × 61.3cm (40-3/8" × 29-7/8" × 24-1/4")
Mass	43.0 kg (94.6 lbs)		64.0 kg (140.8 lbs)		86.0 kg (189.2 lbs)
MAIN PWB ASSY	SGJ-1508A-M2	SGJ-1509A-M2	SGJ-1506A-M2	SGJ-1510A-M2	SGJ-1507A-M2
DAF PWB ASSY	---	---	SGJ-2503A-M2	SGJ-2502A-M2	SGJ-2501A-M2
CRT SOCKET PWB ASSY	SGJ-3502A-M2	SGJ-3506A-M2	SGJ-3504A-M2	SGJ-3503A-M2	SGJ-3501A-M2
FRONT CONTROL PWB ASSY	SGJ-6501A-M2	←	SGJ-6502A-M2	←	SGJ-6503A-M2
PICTURE TUBE (ITC)	A68QCP893X001	A68QCU754X62N	A80AJZ90X03	A80ERF031X13	A90AJZ90X02
DEG COIL	QQW0090-001	←	QQW0107-001	←	QQW0122-001
FRONT CABINET ASSY	LC11556-001A-A	←	LC11531-001A-A	←	LC11557-001A-A
REAR COVER	LC11555-001A-A	←	LC11533-001A-A	←	LC11559-001A-A

2.5 FUNCTIONS

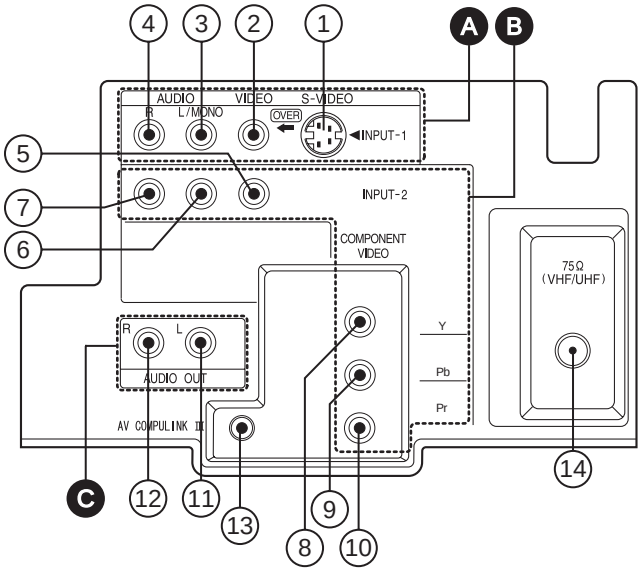
■ FRONT PANEL CONTROL



a	INPUT-3 TERMINAL
1	VIDEO
2	AUDIO L/MONO
3	AUDIO R

4	MENU(▼) button
5	OPERATE(◀/▶) button **(for MENU)**
6	CHANNEL(-/+) buttons
7	VOLUME(-/+) buttons
8	REMOTE CONTROL SENSOR
9	POWER ON/ ON TIMER INDICATOR
10	POWER SW button

■ REAR TERMINAL



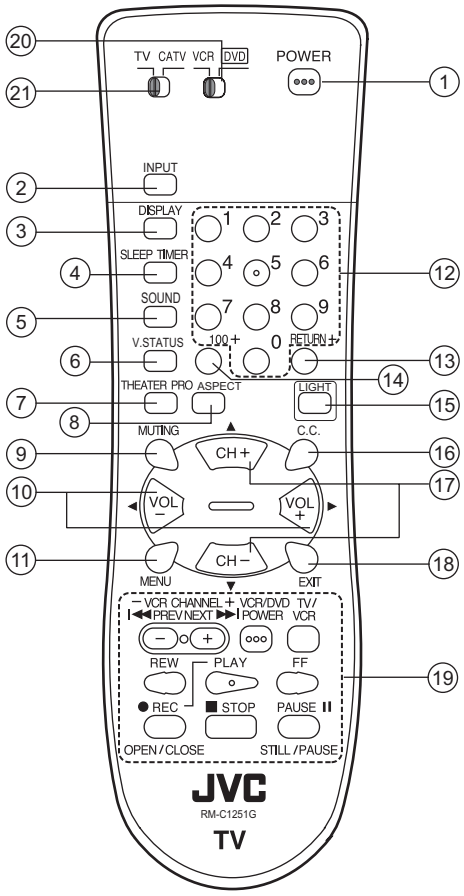
A	INPUT-1 TERMINAL
1	S-VIDEO
2	VIDEO
3	AUDIO L/MONO
4	AUDIO R

B	INPUT-2 TERMINAL
5	VIDEO
6	AUDIO L/MONO
7	AUDIO R
8	COMPONENT-Y
9	COMPONENT-Pb
10	COMPONENT-Pr

C	AUDIO OUTPUT TERMINAL (Fixed)
11	AUDIO L
12	AUDIO R

13	AV COMPULINK Ⅲ TERMINAL
14	ANTENNA TERMINAL 75Ω (VHF/UHF)

■ REMOTE CONTROL UNIT



①	POWER key
②	INPUT key: ➤TV➔VIDEO1➔VIDO2➔V2-COMPONENT➔VIDEO3┐
③	DISPLAY key
④	SLEEP TIMER key: ➤0➔15➔30 ····· ➔165➔180┐
⑤	SOUND key
⑥	VIDEO STATUS key: ➤STANDARD➔DYNAMIC➔THEATER➔GAME┐
⑦	THEATER PRO key
⑧	ASPECT key: Can be changed to 4:3 and 16:9 screen
⑨	MUTING & COLOR OFF (for SERVICE MENU) key
⑩	VOL+/- & VOL ◀/▶ (for SERVICE MENU) keys
⑪	MENU key
⑫	CHANNEL NUMBER keys
⑬	RETURN+ key
⑭	100+ key
⑮	LIGHT key
⑯	C.C. (CLOSED CAPTION) key: ➤OFF➔CAPTION➔TEXT┐
⑰	CH+/- & CH ▲/▼ (for SERVICE MENU) keys
⑱	EXIT key
⑲	VCR CONTROL key
⑳	VCR / DVD switch
㉑	TV / CATV switch

NOTE The CH+/- keys and VOL+/- keys operate CHANNEL and VOLUME normally. These keys are also used to navigate SERVICE MENU as the CH▲/▼ and VOL◀/▶ keys.

SECTION 3
DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

3.1.1 REMOVING THE REAR COVER

(1) Disconnect the power plug from wall outlet.
(2) As shown in the Fig.1, remove the 11 screws **[A]**.
(3) Withdraw the REAR COVER backward.

3.1.2 REMOVING THE AV TERMINAL BOARD

- Remove the REAR COVER.
  (1) As shown in Fig.1, remove the 4 screws **[B]**.
  (2) Withdraw the AV TERMINAL BOARD toward you.

3.1.3 REMOVING THE CHASSIS

- Remove the REAR COVER.
- Remove the AV TERMINAL BOARD.
  (1) Slightly raise the both sides of CHASSIS by hand.
  (2) Remove the 2 claws under the both side of the CHASSIS from the front cabinet.
  (3) Withdraw the CHASSIS backward.
  (If necessary, remove the wire clamp, connectors etc.)

3.1.4 REMOVING THE SPEAKER

- Remove the REAR COVER.
  (1) As shown in Fig.1, remove the 2 screws **[C]**.
  (2) Remove the 4 screws **[D]** and taking out the SPEAKER.
  (3) Follow the same steps when removing the other hand SPEAKER.

NOTE :

When remove the 2 screws **[C]** of the SPEAKER, taking out the lower side screw first, and then takeing out the upper one.

3.1.5 REMOVING THE LED & POWER SW PWB

- Remove the REAR COVER.
  (1) Remove the 2 screws **[E]** as shown in Fig.1.
  (2) Withdraw the LED & POWER SW PWB toward you.

*If necessary, remove the wire clamp, connector etc.

3.1.6 REMOVING THE FRONT CONTROL PWB

- Remove the REAR COVER.
  (1) Remove the 2 screws **[F]** as shown in Fig.1.
  (2) Withdraw the FRONT CONTROL PWB toward you.

*If necessary, remove the wire clamp, connector etc.

3.1.7 CHECKING THE CHASSIS

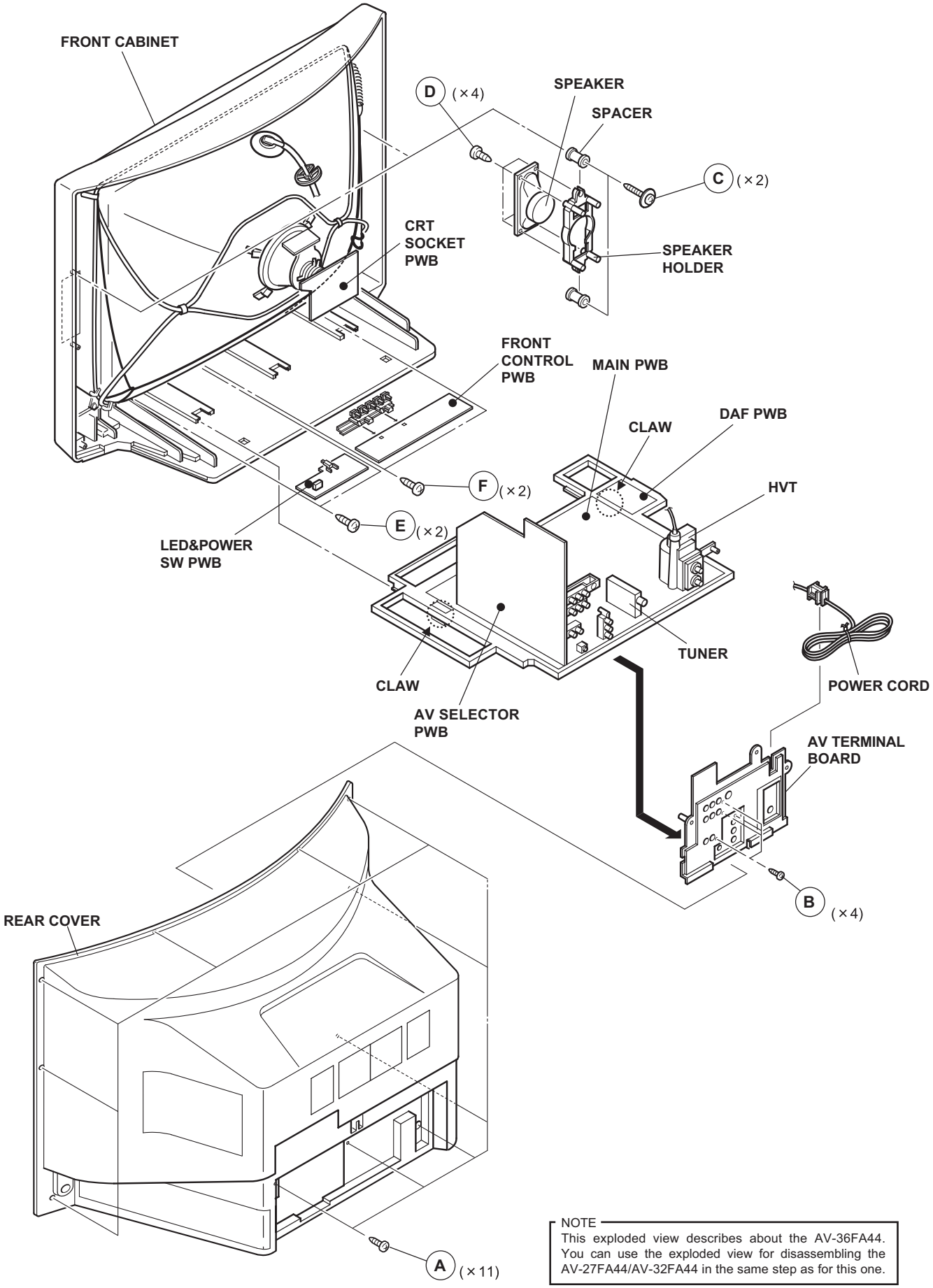
To check the PW Board from back side.
(1) Pull out the CHASSIS (refer to REMOVING THE CHASSIS).
(2) Erect the CHASSIS vertically so that you can easily check the back side of the PW Board.

CAUTION :

- When erecting the CHASSIS, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the wire connector is properly connected.
- **When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS'Y) is connected to the CRT SOCKET PWB.**

3.1.8 WIRE CLAMPING AND CABLE TYING

(1) Be sure to clamp the wire.
(2) Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.



NOTE
This exploded view describes about the AV-36FA44. You can use the exploded view for disassembling the AV-27FA44/AV-32FA44 in the same step as for this one.

Fig.1

3.2 REMOVING THE CRT

NOTE:

- Replacement of the CRT should be performed by 2 or more persons.
- After removing the REAR COVER, CHASSIS etc.,

(1) Putting the CRT change table on soft cloth, the CRT change table should also be covered with such soft cloth (shown in Fig. 3).

(2) While keeping the surface of CRT down, mount the TV set on the CRT change table balanced will as shown in Fig. 3.

(3) Remove 4 screws marked by arrows with a box type screwdriver as shown in Fig. 4.

NOTE:

Since the cabinet will drop when screws have been removed, be sure to support the cabinet with hands.

(4) After 4 screws have been removed, put the cabinet slowly on cloth (At this time, be carefully so as not to damage the front
surface of the cabinet) shown in Fig. 5.

NOTE:

- The CRT should be assembled according to the opposite sequence of its dismounting steps.
- The CRT change table should preferably be smaller that the CRT surface, and its height be about 35cm.

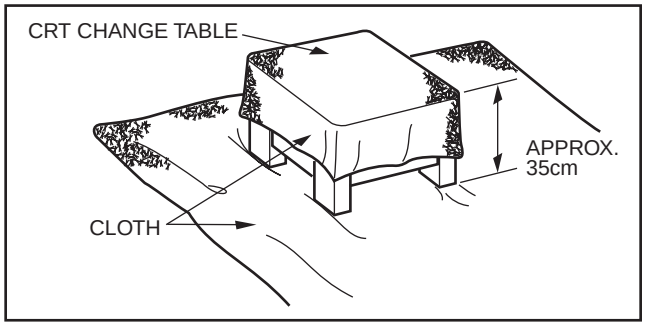


Fig.3

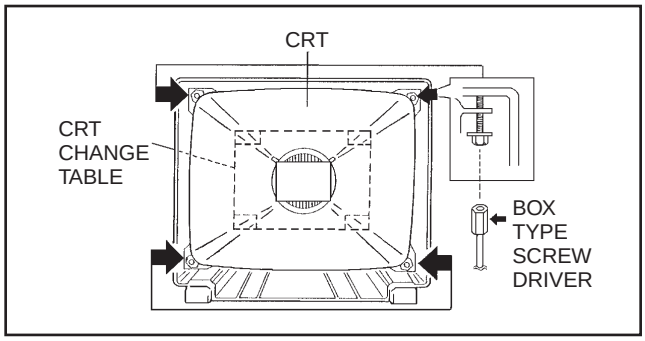


Fig.4

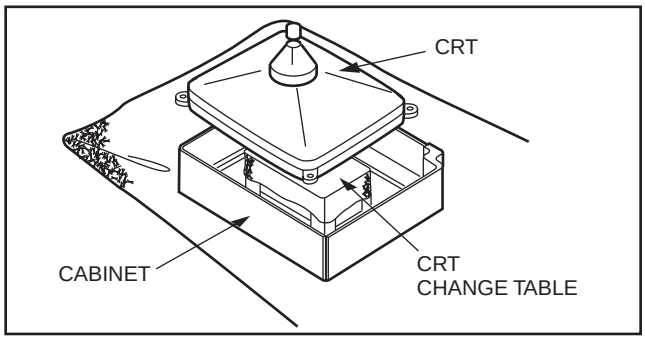


Fig.5

■ **FOR AV-32FA44/AZA model only**

CAUTION FOR DEGAUSSING WORKS

Whenever degaussing works are required due to distorted images and colors caused by the replacement of the CRT or other external magnetic forces, self-degaussing (internal degaussing) should be carried out without fail instead of degaussing the monitor from the outside.

Because of the characteristics of the CRT used in this monitor , the distorted images and colors may worsen if degaussing the monitor from the outside has been performed.

Even if external degaussing works have been carried out, self-degaussing should be performed by turning the power on the monitor.

When you want to perform self-degaussing of the monitor whose power is already turned on, turn of f the power and wait for about 10 minutes before turning the power on the monitor again for self-degaussing.

3.3 MEMORY IC REPLACEMENT

3.3.1 MEMORY IC

This TV uses memory IC.
This memory IC stores data for proper operation of the video and deflection circuits.
When replacing the memory IC, be sure to use an IC containing this (initial value) data.

3.3.2 MEMORY IC REPLACEMENT PROCEDURE

1. Power off

Switch off the power and disconnect the power cord from the wall outlet.

2. Replace the memory IC

Be sure to use a memory IC written with the initial setting data.

3. Power on

Connect the power cord to the wall outlet and switch on the power.

4. Confirm the system constant value

- 12.SYSTEM (SYS) do not adjust normally.
- The adjustment should not be done without signal.

■ **How to enter the SERVICE MENU.**

- Confirm that the setting of TV/CATV SW is at the "TV" side and the setting of VCR/DVD SW is at the "VCR" side.
  (1) Before disappear the display of SLEEP TIMER settings, simultaneously press the [DISPLAY] key and [VIDEO STATUS] key of the remote control unit.
  (2) The SERVICE MENU screen will be displayed as shown Fig.1.

■ **How to enter the 12. SYSTEM(SYS).**

(1) While the SERVICE MENU is displayed, select the 12.SYSTEM(SYS) item with [CH▲/▼] keys, and the [VOL◀/▶] keys is pressed, the screen will be displayed as shown in Fig.2.
(2) Refer to the "12.SYSTEM(SYS)" table and check the setting items. If the value is different, select the setting item with the [CH▲/▼] keys and adjust the setting with the [VOL◀/▶] keys. (The letters of the selected item are displayed in yellow.)
(3) When adjustment has completed, the values store into memory IC automatically.
(4) Press the [EXIT] key to return the SERVICE MENU screen.
(5) Then press the [EXIT] key again to return the normal screen.

5. Receiving channel setting

Refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the receive channels (Channels Preset) as described.

6. User settings

Check the user setting items according to the "FACTORY SETTING ITEM" table.
Where these do not agree, refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the items as described.

7. SERVICE MENU setting

Verify what to set in the SERVICE MENU, and set whatever is necessary(Fig.1) .
Refer to the SERVICE ADJUSTMENT for setting.

SERVICE MENU

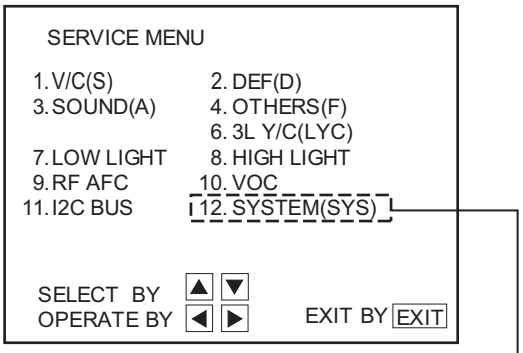


Fig.1

12.SYSTEM (SYS)

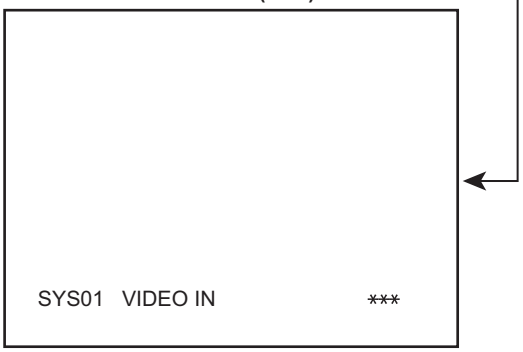
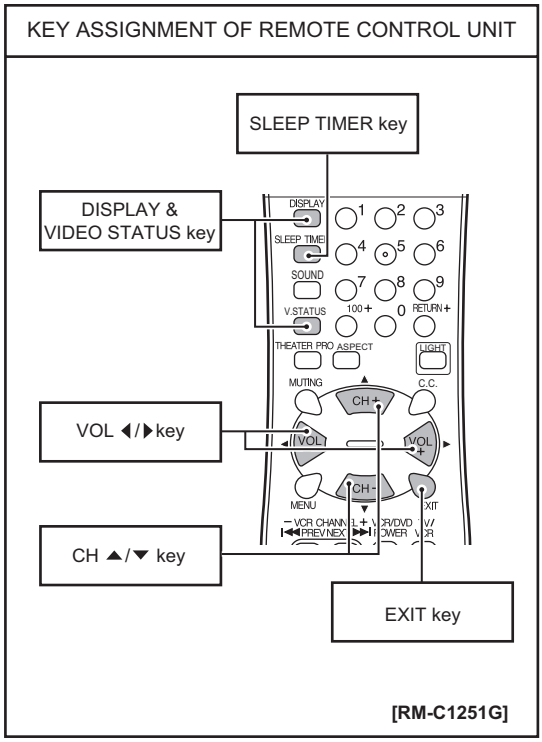


Fig.2

KEY ASSIGNMENT OF REMOTE CONTROL UNIT



3.3.3 FACTRY SETTING VALUE

Setting item	Setting value			Setting item	Setting value
REMOTE CONTROLLER KEYS					
POWER	OFF			DISPLAY	OFF
CHANNEL	Cable-02			VIDEO STATUS	DYNAMIC
VOLUME	10			SOUND	HYPER SURROUND : OFF BBE : ON
INPUT	TV			C.C. (Closed Caption)	OFF
SETTING OF MENU					
PICTURE				**CLOCK / TIMERS**	
	STANDARD	DYNAMIC	GAME	SET CLOCK	MANUAL TIME ZONE : PACIFIC
TINT	0	←	←		D.S.T. : OFF
COLOR	0	←	+7	ON / OFF TIMER	OFF
PICTURE	0	+14(27") +17(32", 36")	-10	**INITIAL SETUP**	
BRIGHT	0	←	←	LANGUAGE	ENG
DETAIL	0	+10	+7	FRONT PANEL LOCK	OFF
COLOR TEMPERATURE	LOW	HIGH	LOW	AUTO SHUT OFF	OFF
NOISE MUTING	ON			CLOSED CAPTION	CC1 / T1
SOUND				CHANNEL SUMMARY	Setting Channel Guard channel : All OFF
BASS	Center			V-CHIP	OFF
TREBLE	Center			SET LOCK CODE	(0000)
BALANCE	Center			XDS ID	ON
MTS	STEREO			PULITY **[AV-36FA44 only]**	Center

3.3.4 SERVICE MENU SETTING ITEMS

Service menu	Setting item	Remarks
1.V/C(S)	S01~S48	VIDEO / CHROMA related circuit adjustment mode
2.DEF(D)	D01~D33	DEFLECTION related circuit adjustment mode
3.SOUND(A)	A01~A08	SOUND related circuit adjustment mode
4.OTHERS(F)	F01~F28	Whole system related items adjustment mode **[Fixed value. Do not adjust]**
6.3LY/C(LYC)	LYC01~LYC12	3 line YC separation related circuit adjustment mode **[Fixed value. Do not adjust]**
12.SYSTEM(SYS)	SYS01~SYS27	This mode is used when setting up the whole system **[Fixed value. Do not adjust]**

3.4 REPLACEMENT OF CHIP COMPONENT

3.4.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

3.4.2 SOLDERING IRON

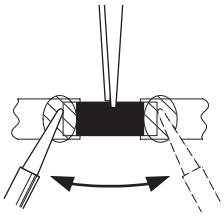
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

3.4.3 REPLACEMENT STEPS

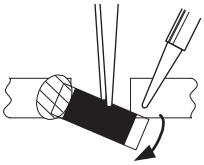
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



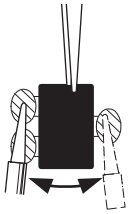
(2) Shift with the tweezers and remove the chip part.



[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.

(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



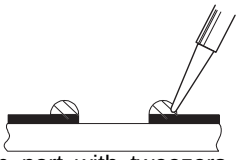
NOTE :

After removing the part, remove remaining solder from the pattern.

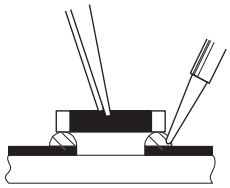
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

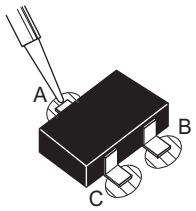


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

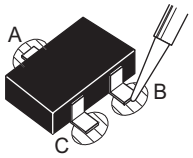


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SECTION 4
ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

(1) **There are 2 ways of adjusting this TV : One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.**
(2) **The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.**
(3) Make sure that connection is correctly made AC to AC power source.
(4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.
(5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
(6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.
(7) Preparation for adjustment. Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

Item	Preset value
VIDEO STATUS	STANDARD
TINT, COLOR, PICTURE, BRIGHT, DETAIL	0
BASS, TREBLE, BALANCE	Center
MTS	STEREO

4.2 MEASURING INSTRUMENT AND FIXTURES

(1) DC voltmeter (or digital voltmeter)
(2) Oscilloscope
(3) Frequency counter
(4) Signal generator (Pattern generator) [NTSC]
(5) TV audio multiplex signal generator
(6) Remote control unit

4.3 ADJUSTMENT ITEMS

■CHECK ITEM
- B1 POWER SUPPLY check

■TUNER / IF CIRCUIT
- IF VCO adjustment
- RF. AGC adjustment

■FOCUS
- FOCUS adjustment

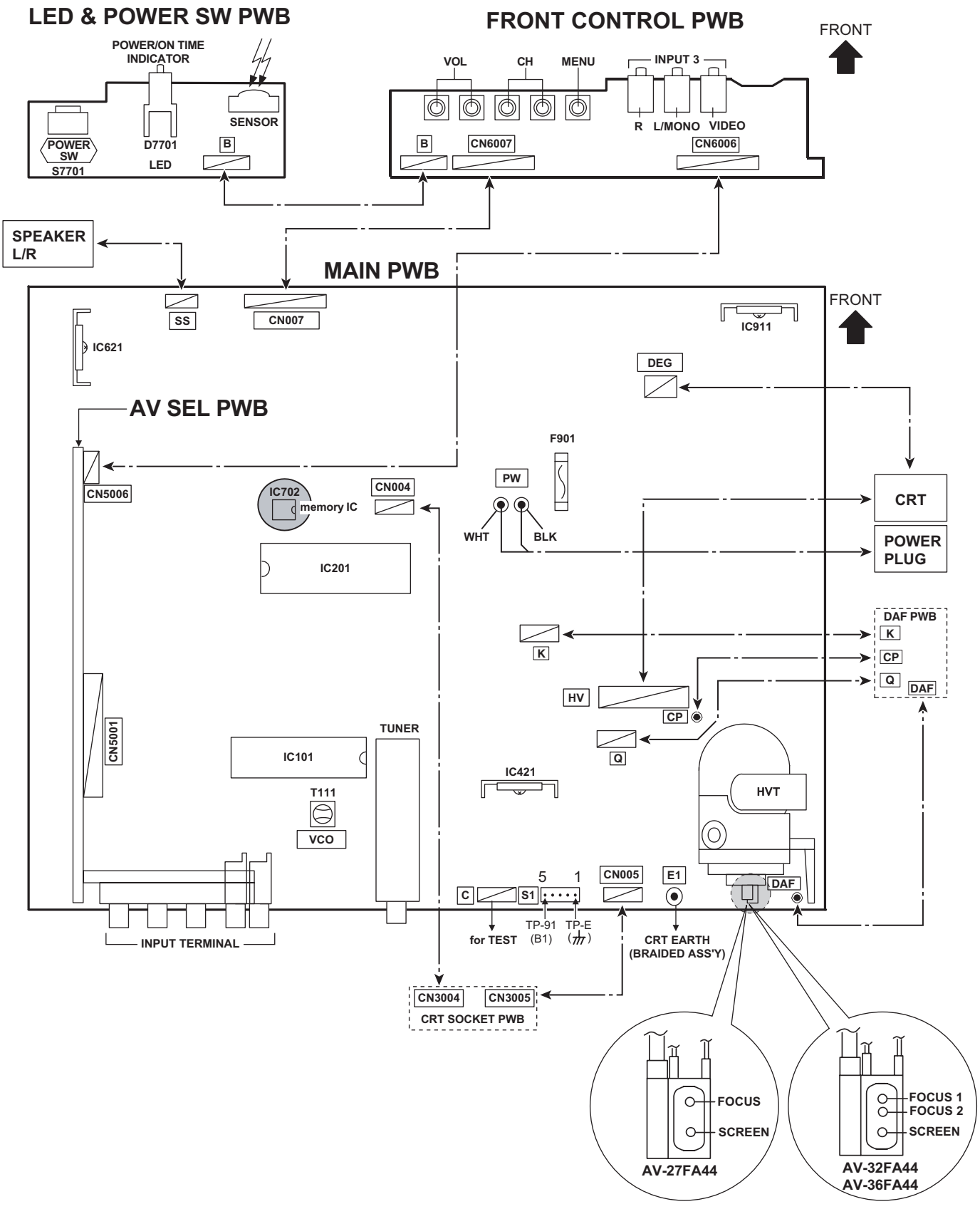
■DEFLECTION CIRCUIT
- V. SIZE / V. POSITION (4:3) adjustment
- V. SIZE / V. POSITION (16:9) adjustment
- H. POSITION / H. SIZE / SIDE PIN [(4:3) & (16:9)] adjustment

■VIDEO CIRCUIT
- WHITE BALANCE(High Light & Low Light) adjustment
- SUB BRIGHT adjustment
- SUB CONTRAST adjustment
- SUB COLOR adjustment
- SUB TINT adjustment

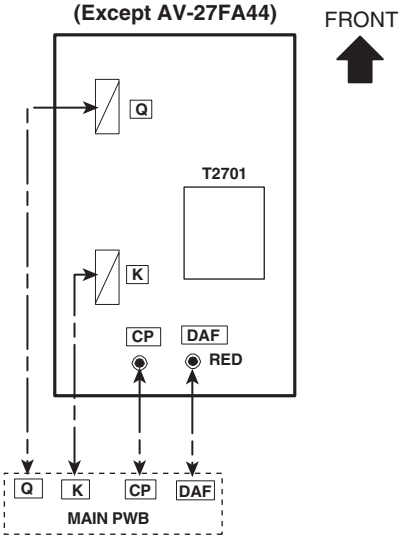
■MTS CIRCUIT
- MTS INPUT LEVEL adjustment
- MTS SEPARATION adjustment

■HIGH VOLTAGE HOLD DOWN CIRCUIT

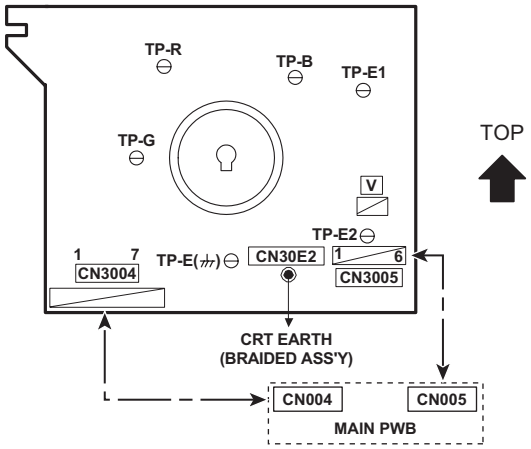
4.4 ADJUSTMENT LOCATIONS / WIRING



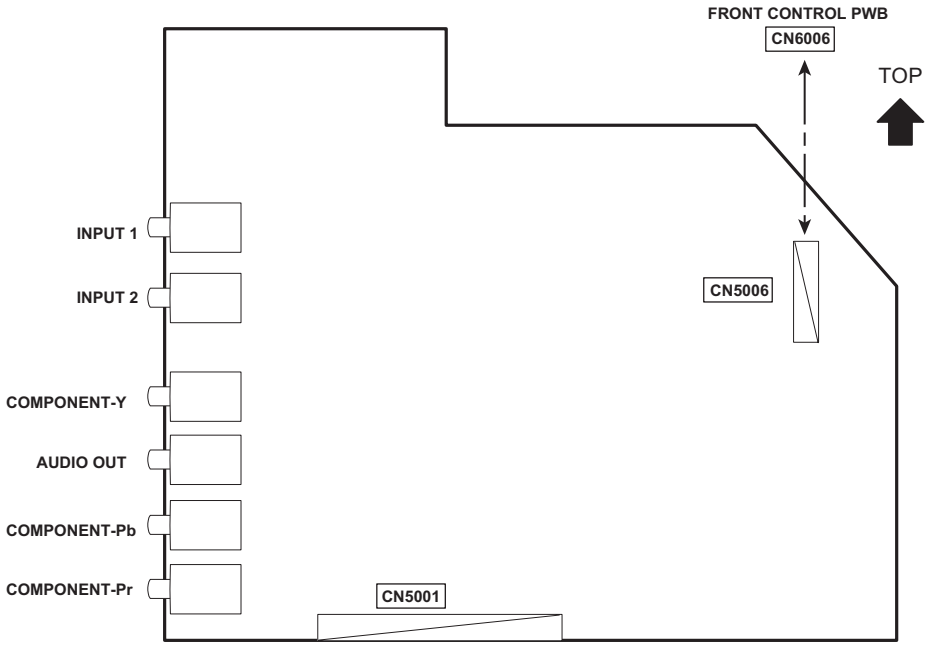
DAF PWB
(Except AV-27FA44)



CRT SOCKET PWB



AV SEL PWB



4.5 BASIC OPERATION OF SERVICE MENU

4.5.1 TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

4.5.2 SERVICE MENU ITEMS

1. V/C(S)	VIDEO / CHROMA related circuit adjustment mode
2. DEFLECTION(D)	DEFLECTION related circuit adjustment mode
3. SOUND(A)	SOUND related circuit adjustment mode
4. OTHERS(F)	Whole system related items adjustment mode **[Fixed value. Do not adjust]**
6. 3L Y/C(LYC)	3 line YC separation related circuit adjustment mode **[Fixed value. Do not adjust]**
7. LOW LIGHT	White balance of "LOW LIGHT" adjustment mode
8. HIGH LIGHT	White balance of "HIGH LIGHT" adjustment mode
9. RF AFC	RF AFC related circuit adjustment mode **[Fixed value]**
10. VCO	VCO related circuit adjustment mode
11. I2C BUS	I^2C bus related circuit adjustment mode **[Fixed value]**
12. SYSTEM(SYS)	This mode is used when setting up the whole system **[Fixed value. Do not adjust]**

4.5.3 BASIC OPERATION OF SERVICE MENU

1. How to enter the SERVICE MENU

- Confirm that the setting of TV/CATV SW is at the "TV" side and the setting of VCR/DVD SW is at the "VCR" side.
  (1) Press the [SLEEP TIMER] key and set the SLEEP TIMER for "0" MIN
  (2) Press the [DISPLAY] key and [VIDEO STATUS] key at the same time to enter the SERVICE MENU screen. (Fig.1)

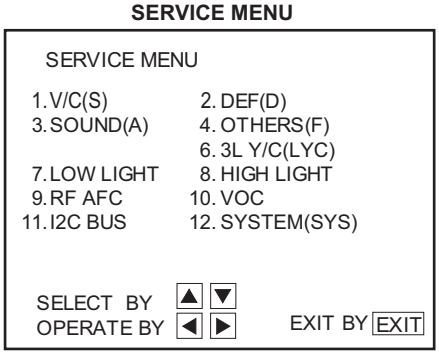


Fig.1

2. SERVICE MENU screen selection

(1) In SERVICE MENU (Fig.1), select any of the SUB MENU items (1.V/C(S)/ 2.DEF(D)/ 3.SOUND(A)/ 4.OTHERS (F)/ 6.3L Y/C(LYC)/ 7.LOW LIGHT/ 8.HIGH LIGHT/ 9.RF AFC/ 10.VCO/ 11.I2C BUS/ 12.SYSTEM(SYS)) by the [CH▲/▼] keys.
The letters of the selected items are displayed in yellow.
(2) With the SUB MENU item selected, press the [VOL◀/▶] keys to display each screen.
Then the settings or verifications can be performed.

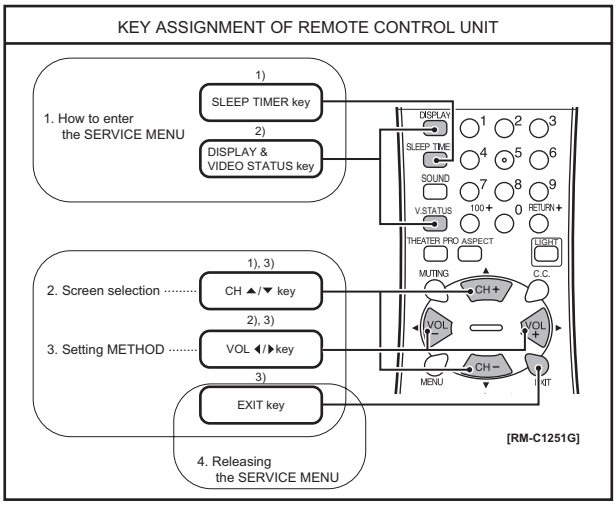


Fig.2

3. Setting method. (Fig.3~ Fig.7)

(1) [CH ▲ / ▼] keys
Select the SETTING ITEM

(2) [VOL ◀ / ▶] keys
Setting the SETTING VALUE of the SETTING ITEM
When the key is released the SETTING VALUE will be stored (memorized).

(3) [EXIT] key
Return to the previous screen.

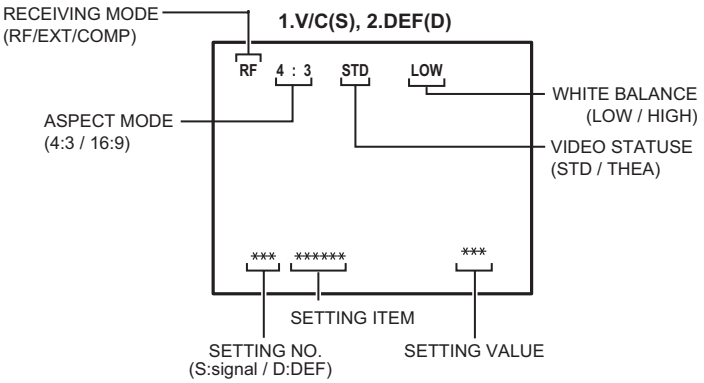


Fig.3

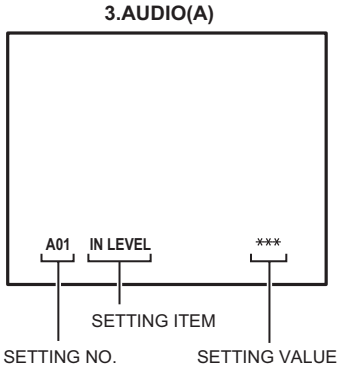


Fig.4

★ The settings for LOW LIGHT and HIGH LIGHT are described in the WHITE BALANCE page of ADJUSTMENT PROCEDURE.

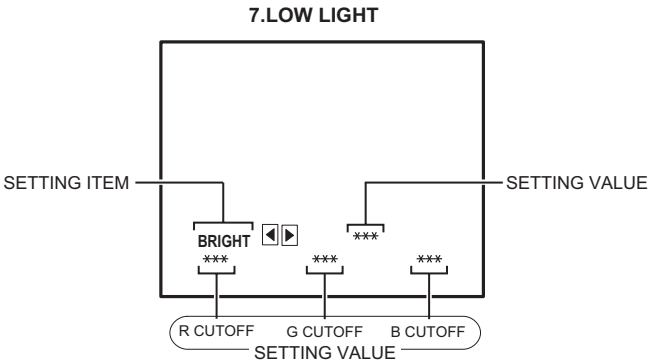


Fig.5

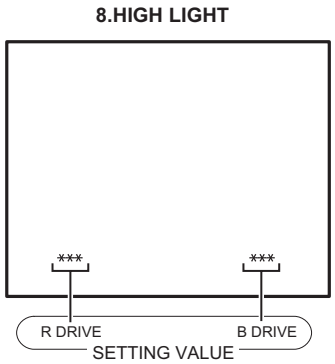


Fig.6

★ The setting for VCO is described in the IF VCO page of ADJUSTMENT PROCEDURE.

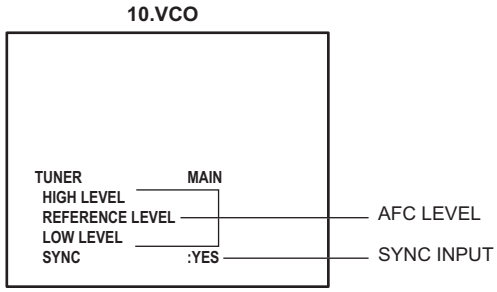
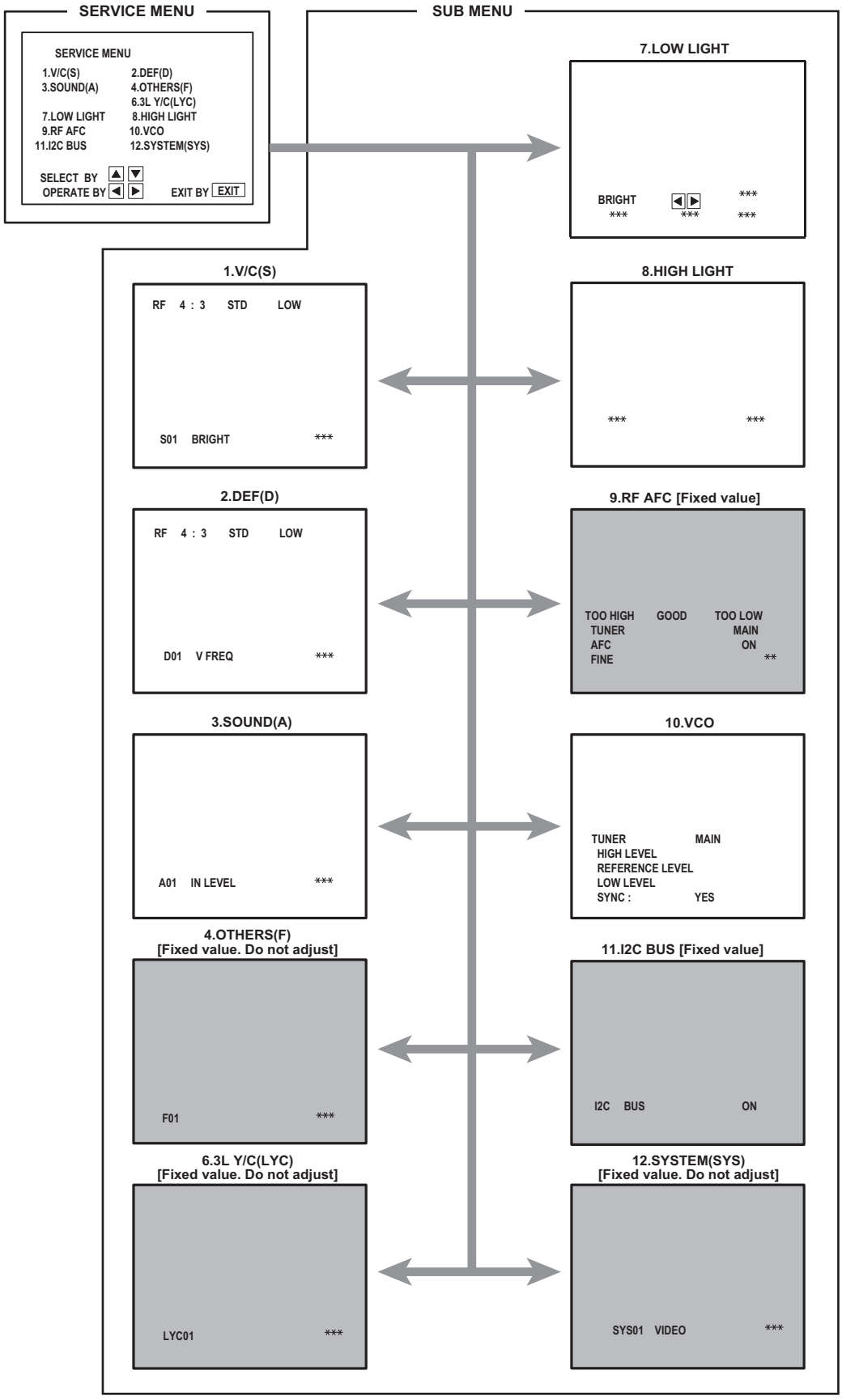


Fig.7

4. Releasing the SERVICE MENU

(1) After returning to the SERVICE MENU upon completion of the setting work, press the [EXIT] key again.

4.5.4 SERVICE MENU FLOW CHART



4.6 INITIAL SETTING VALUE OF SERVICE MENU

(1) Adjustment of the SERVICE MENU is made on the basis of the initial setting values ; however, the new setting values which set the screen in its optimum condition may differ from the initial setting.
(2) Do not change the initial setting values of the setting items NOT LISTED IN ADJUSTMENT PROCEDURE.
(3) --- : This mark described in each table shows "Cannot adjust it."

1.V/C(S) (1/5)

No.	Setting item	Initial setting value									
		AV-27FA44									
		ASA					AZA				
		RF			EXTERNAL (S, CV) (4:3)	EXTERNAL (COMPONENT) (4:3)	RF			EXTERNAL (S, CV) (4:3)	EXTERNAL (COMPONENT) (4:3)
		STANDARD (4:3)	STANDARD (16:9)	THEATER (4:3)			STANDARD (4:3)	STANDARD (16:9)	THEATER (4:3)		
S01	BRIGHT	64	---	---	---	---	64	---	---	---	---
S02	PICTURE	60	---	---	---	---	60	---	---	---	---
S03	COLOR	50	---	---	---	52	50	---	---	---	52
S04	TINT	68	---	---	---	70	68	---	---	---	70
S05	DETAIL	33	---	---	35	40	37	---	---	39	44
S06	BRIGHT +-	---	0	+1	-2	-2	---	0	+1	-2	-2
S07	PICT+-	---	-8	-10	±0	-5	---	-8	-10	±0	-5
S08	COLOR +-	---	0	-3	-1	---	---	0	-3	-1	---
S09	TINT+-	---	0	-3	+2	---	---	0	-3	+2	---
S10	DETAIL+-	---	---	0	---	---	---	---	0	---	---

No.	Setting item	Initial setting value															
		AV-27FA44															
		ASA								AZA							
		RF/EXT (S,CV)				EXT (COMPONENT)				RF/EXT (S,CV)				EXT (COMPONENT)			
		STANDARD		THEATER		STANDARD		THEATER		STANDARD		THEATER		STANDARD		THEATER	
		LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH
S11	R CUT OFF	30	---	---	---	---	---	---	---	30	---	---	---	---	---	---	---
S12	G CUT OFF	30	---	---	---	---	---	---	---	30	---	---	---	---	---	---	---
S13	B CUT OFF	30	---	---	---	---	---	---	---	30	---	---	---	---	---	---	---
S14	R DRIVE	64	---	---	---	---	---	---	---	64	---	---	---	---	---	---	---
S15	B DRIVE	64	---	---	---	---	---	---	---	64	---	---	---	---	---	---	---
S16	R CUT+-	---	±0	±0	±0	-5	---	---	---	---	±0	±0	±0	-5	---	---	---
S17	G CUT+-	---	±0	±0	±0	±0	---	---	---	---	±0	±0	±0	±0	---	---	---
S18	B CUT+-	---	±0	±0	±0	-6	---	---	---	---	±0	±0	±0	-6	---	---	---
S19	R DRV+-	---	+5	+13	+7	±0	---	---	---	---	+5	+13	+7	±0	---	---	---
S20	B DRV+-	---	+6	-25	-9	±0	---	---	---	---	+6	-25	-9	±0	---	---	---
S21	NTSC MAT	3	3	1	1	2	2	1	1	3	3	1	1	2	2	1	1
S22	BLACK ST	2	---	2	---	---	---	---	---	2	---	2	---	---	---	---	---
S23	DCREST	1	---	1	---	---	---	---	---	1	---	1	---	---	---	---	---
S24	DCRSW	1	---	1	---	---	---	---	---	1	---	1	---	---	---	---	---

1.V/C(S) (2/5)

No.	Setting item	Initial setting value									
		AV-32FA44									
		AYA					AZA				
		RF			EXTERNAL (S, CV) (4:3)	EXTERNAL (COMPONENT) (4:3)	RF			EXTERNAL (S, CV) (4:3)	EXTERNAL (COMPONENT) (4:3)
		STANDARD (4:3)	STANDARD (16:9)	THEATER (4:3)			STANDARD (4:3)	STANDARD (16:9)	THEATER (4:3)		
S01	BRIGHT	64	---	---	---	---	64	---	---	---	---
S02	PICTURE	60	---	---	---	---	60	---	---	---	---
S03	COLOR	50	---	---	---	45	50	---	---	---	41
S04	TINT	68	---	---	---	68	68	---	---	---	62
S05	DETAIL	33	---	---	35	40	33	---	---	35	40
S06	BRIGHT +-	---	0	+1	-2	-2	---	0	+1	-2	-2
S07	PICT+-	---	-8	-10	±0	-3	---	-8	-10	±0	-3
S08	COLOR +-	---	0	-3	-2	---	---	0	-3	-2	---
S09	TINT+-	---	0	-3	±0	---	---	0	-3	+5	---
S10	DETAIL+-	---	---	0	---	---	---	---	0	---	---

No.	Setting item	Initial setting value															
		AV-32FA44															
		AYA								AZA							
		RF/EXT (S,CV)				EXT (COMPONENT)				RF/EXT (S,CV)				EXT (COMPONENT)			
		STANDARD		THEATER		STANDARD		THEATER		STANDARD		THEATER		STANDARD		THEATER	
		LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH
S11	R CUT OFF	30	---	---	---	---	---	---	---	30	---	---	---	---	---	---	---
S12	G CUT OFF	30	---	---	---	---	---	---	---	30	---	---	---	---	---	---	---
S13	B CUT OFF	30	---	---	---	---	---	---	---	30	---	---	---	---	---	---	---
S14	R DRIVE	64	---	---	---	---	---	---	---	64	---	---	---	---	---	---	---
S15	B DRIVE	64	---	---	---	---	---	---	---	64	---	---	---	---	---	---	---
S16	R CUT+-	---	±0	±0	±0	-10	---	---	---	---	±0	±0	±0	-10	---	---	---
S17	G CUT+-	---	±0	±0	±0	±0	---	---	---	---	±0	±0	±0	±0	---	---	---
S18	B CUT+-	---	±0	±0	±0	-10	---	---	---	---	±0	±0	±0	-10	---	---	---
S19	R DRV+-	---	+5	+13	+7	±0	---	---	---	---	+5	+13	+7	±0	---	---	---
S20	B DRV+-	---	+6	-25	-9	±0	---	---	---	---	+6	-25	-9	±0	---	---	---
S21	NTSC MAT	3	3	1	1	2	2	1	1	3	3	1	1	2	2	1	1
S22	BLACK ST	3	---	2	---	---	---	---	---	3	---	2	---	---	---	---	---
S23	DCREST	1	---	1	---	---	---	---	---	1	---	1	---	---	---	---	---
S24	DCRSW	0	---	0	---	---	---	---	---	0	---	0	---	---	---	---	---

1.V/C(S) (3/5)

No.	Setting item	Initial setting value				
		AV-36FA44				
		AYA				
		RF			EXTERNAL (S, CV) (4:3)	EXTERNAL (COMPONENT) (4:3)
		STANDARD (4:3)	STANDARD (16:9)	THEATER (4:3)		
S01	BRIGHT	64	---	---	---	---
S02	PICTURE	60	---	---	---	---
S03	COLOR	50	---	---	---	44
S04	TINT	68	---	---	---	69
S05	DETAIL	33	---	---	35	40
S06	BRIGHT +-	---	0	+1	-2	-2
S07	PICT+-	---	-8	-10	±0	-3
S08	COLOR +-	---	0	-3	-2	---
S09	TINT+-	---	0	-3	±0	---
S10	DETAIL+-	---	---	0	---	---

No.	Setting item	Initial setting value							
		AV-36FA44							
		AYA							
		RF/EXT (S,CV)				EXT (COMPONENT)			
		STANDARD		THEATER		STANDARD		THEATER	
		LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH
S11	R CUT OFF	30	---	---	---	---	---	---	---
S12	G CUT OFF	30	---	---	---	---	---	---	---
S13	B CUT OFF	30	---	---	---	---	---	---	---
S14	R DRIVE	64	---	---	---	---	---	---	---
S15	B DRIVE	64	---	---	---	---	---	---	---
S16	R CUT+-	---	±0	±0	±0	-10	---	---	---
S17	G CUT+-	---	±0	±0	±0	±0	---	---	---
S18	B CUT+-	---	±0	±0	±0	-10	---	---	---
S19	R DRV+-	---	+5	+13	+7	±0	---	---	---
S20	B DRV+-	---	+6	-25	-9	±0	---	---	---
S21	NTSC MAT	3	3	1	1	2	2	1	1
S22	BLACK ST	3	---	2	---	---	---	---	---
S23	DCREST	1	---	1	---	---	---	---	---
S24	DCRSW	0	---	0	---	---	---	---	---

1.V/C(S) (4/5)

No.	Setting item	Initial setting value		
		RF	EXTERNAL	COMPONENT
S25	ASY SHRP	4	4	4
S26	BPF F0	0	0	---
S27	KILR OFF	0	0	---
S28	KILR SEN	1	1	---

1.V/C(S) (5/5)

No.	Setting item	Initial setting value				
		AV-27FA44		AV-32FA44		AV-36FA44
		ASA	AZA	AYA	AZA	AYA
S29	RGB MUTE	0	←	0	0	0
S30	BLUE B	0	←	0	0	0
S31	VIDEO SW	3	←	3	3	3
S32	CMP ABCL	0	←	0	0	0
S33	OSD ABL	0	←	0	0	0
S34	OSD CONT	7	←	8	3	8
S35	SUB CONT	5	←	5	5	5
S36	ABL GAIN	0	←	0	0	0
S37	ABL PNT	3	←	3	3	3
S38	Y GAMMA	1	←	1	1	1
S39	Y MUTE	0	←	0	0	0
S40	SVM GAIN	3	←	3	3	3
S41	SVM PH	1	←	1	1	1
S42	WPL	0	←	0	0	0
S43	COL GMM	0	←	0	0	0
S44	V1 GAIN	4	←	4	4	4
S45	AGC ADJ	63	←	63	63	63
S46	VMOFF DE	+3	←	+3	+3	+3
S47	APC CLK	1	←	1	1	1
S48	PIP ADJ	4	←	8	8	10

2.DEF (D)

No.	Setting item	Initial setting value														
		AV-27FA44						AV-32FA44						AV-36FA44		
		ASA			AZA			AYA			AZA			AYA		
		RF (4:3)	RF (16:9)	EXT (4:3)	RF (4:3)	RF (16:9)	EXT (4:3)	RF (4:3)	RF (16:9)	EXT (4:3)	RF (4:3)	RF (16:9)	EXT (4:3)	RF (4:3)	RF (16:9)	EXT (4:3)
D01	V FREQ	0	0	3	0	0	3	0	0	3	0	0	3	0	0	3
D02	AFC GAIN	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2
D03	H POSI	20	---	20	20	---	20	25	---	25	25	---	25	22	---	22
D04	H POSI+-	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---
D05	V PHASE	0	---	0	0	---	0	0	---	0	0	---	0	0	---	0
D06	V PH+-	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---
D07	V SIZE	90	---	90	80	---	80	80	---	80	65	---	65	80	---	80
D08	V SIZE+-	---	-30	---	---	-25	---	---	-30	---	---	-30	---	---	-30	---
D09	V CENTER	32	---	32	32	---	32	15	---	15	35	---	35	15	---	15
D10	V CENT+-	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---
D11	V S CORR	9	---	9	9	---	9	12	---	12	12	---	12	11	---	11
D12	V S CO+-	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---
D13	V LIN	10	---	10	10	---	10	9	---	9	9	---	9	8	---	8
D14	V LIN+-	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---
D15	H SIZE	33	---	33	33	---	33	31	---	31	31	---	31	30	---	30
D16	H SIZE+-	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---
D17	WVMT TOP	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0
D18	WVMT BTM	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0
D19	EWCR TOP	12	---	12	12	---	12	13	---	13	13	---	13	8	---	8
D20	EWCR T+-	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---
D21	EWCR BTM	14	---	14	14	---	14	13	---	13	13	---	13	8	---	8
D22	EWCR B+-	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---
D23	EW PARA	36	---	36	36	---	36	35	---	35	35	---	35	37	---	37
D24	EW PARA+-	---	-15	---	---	-15	---	---	-16	---	---	-16	---	---	-14	---
D25	V EHT	0	---	0	0	---	0	0	---	0	0	---	0	0	---	0
D26	V EHT+-	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---
D27	H EHT	0	---	0	0	---	0	0	---	0	0	---	0	0	---	0
D28	H EHT+-	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---
D29	TRAPEZ	31	---	31	31	---	31	0	---	36	36	---	36	32	---	32
D30	TRAPEZ+-	---	0	---	---	0	---	---	0	---	---	0	---	---	0	---
D31	V AGC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D32	BLANK SW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D33	VRMP BI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.SOUND(A)

No.	Setting item	Initial setting value
A01	IN LEVEL	10
A02	LOW SEP	32
A03	HI SEP	32
A04	SAPC	0

No.	Setting item	Initial setting value
A05	BBE BASS	+6
A06	BBE TRE	+6
A07	AHS MVE	0
A08	AHS MSC	0

4.OTHERS(F) [Do not adjust : All fixed]

No.	Setting item (Not display)	Initial setting value				
		AV-27FA44		AV-32FA44		AV-36FA44
		ASA	AZA	AYA	AZA	AYA
F01	(OSD POSI)	37	←	37	←	37
F02	(OSD FREQ)	90	←	90	←	90
F03	(CCD POSI)	39	←	45	←	45
F04	(CCD FREQ)	91	←	93	←	93
F05	(CCD CONT)	3	←	4	←	4
F06	(PUR WBCK)	0	←	0	←	0
F07	(PUR CONT)	2	←	2	←	2
F08	(SN TYPE)	0	←	0	←	0
F09	(YCSN TM)	5	←	5	←	5
F10	(YCSN E)	5	←	5	←	5
F11	(YCSN F)	16	←	16	←	16
F12	(YCSN G)	32	←	32	←	32
F13	(VNR CHK)	3	←	3	←	3
F14	(VCSN TM)	5	←	5	←	5
F15	(VCSN 1)	0	←	0	←	0
F16	(VCSN 2)	10	←	10	←	10
F17	(VCSN 3)	20	←	20	←	20
F18	(VCSN STP)	2	←	2	←	2
F19	(VN DAT A)	+8	←	+8	←	+8
F20	(VM DAT B)	-8	←	-8	←	-8
F21	(VM DAT C)	-20	←	-20	←	-20
F22	(VM DAT D)	-32	←	-32	←	-32
F23	(VM DAT E)	1	←	1	←	1
F24	(VMOFF TY)	1	←	1	←	1
F25	(YC VMOFF)	255	←	255	←	255
F26	(EZSF TM)	40	←	40	←	40
F27	(XDSID TM)	15	←	15	←	15
F28	(FM TRAP)	1	←	1	←	1

6.3L Y/C(LYC) [Do not adjust : All fixed]

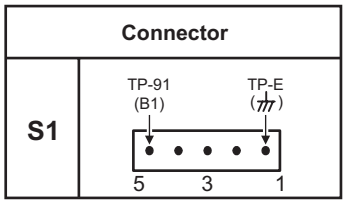
No.	Setting item (Not display)	Initial setting value
LYC01	(MODE)	4
LYC02	(VENH)	1
LYC03	(PDSOFF)	0
LYC04	(CB)	0
LYC05	(VNLR)	2
LYC06	(GSEL0)	0
LYC07	(GSEL1)	1
LYC08	(COR)	0
LYC09	(TRAP)	1
LYC10	(CHTRAP)	0
LYC11	(CBPF)	0
LYC12	(ENHOFF)	0

12.SYSTEM(SYS) [Do not adjust : All fixed]

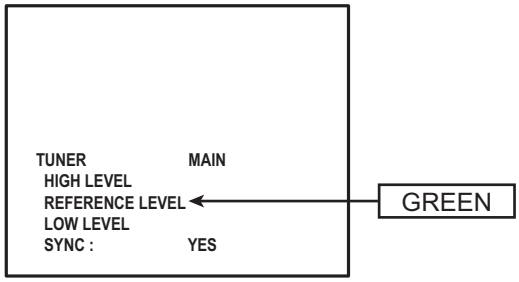
No.	Setting item	Initial setting value	
		AV-27FA44 AV-32FA44	AV-36FA44
SYS01	VIDEO IN	3	3
SYS02	PIP	0	0
SYS03	3D Y/C	0	0
SYS04	Y CV	1	1
SYS05	CCD PCHK	1	1
SYS06	PURITY	0	1
SYS07	VM	1	1
SYS08	NOISE CR	0	0
SYS09	CLR TEMP	1	1
SYS10	THEATER	1	1
SYS11	THEATER PRO	1	1
SYS12	BBE	0	0
SYS13	SOUND	1	1
SYS14	16:9 MD	1	1
SYS15	HYP SCAN	1	1
SYS16	EZ SURF	0	0
SYS17	ID DISP	1	1
SYS18	COMPULINK	1	1
SYS19	CCD	1	1
SYS20	VCHIP	1	1
SYS21	VCHIP CA	1	1
SYS22	JVC LOGO	1	1
SYS23	CMP IN	1	1
SYS24	CXA1875	0	0
SYS25	PIM	1	1
SYS26	GAME MD	0	0
SYS27	VOL MUTE	1	1

4.7 ADJUSTMENT PROCEDURE

4.7.1 CHECK ITEM

Item	Measuring instrument	Test point	Adjustment part	Description
B1 POWER SUPPLY check	DC voltmeter	S1 Connector (TP-E & TP-91(B1))		(1) Receive the black-and-white signal. (color off) (2) Connect the DC voltmeter to the TP-E and TP-91(B1) of S1 connector. (3) Confirm that the voltage is DC134.5V±2V. 

4.7.2 TUNER / IF CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
IF VCO	Signal generator Remote control unit		[10.VCO] CW TRANSF.(T111) [MAIN PWB]	• It must not adjust without signal (1) Receive color bar signal. (2) Enter the SERVICE MENU. (3) Select the 10.VCO. (4) Push the [VOL ◂ / ▸] key, and select the MAIN. (5) Confirm that the color change from HIGH LEVEL to LOW LEVEL by CW TRANSF at MAIN PWB, and check the SYNC : YES. (6) Adjust until REFERENCE LEVEL mark turns green. And then confirm that the SYNC : YES again. (7) Press the [EXIT] key to get out SERVICE MENU.
				
RF AGC	Remote control unit		[1.V/C (S)] S45: AGC ADJ	(1) Receive a black and white signal (color off). (2) Enter the SERVICE MENU. (3) Select < S45 > (AGC ADJ) of the 1. V/C(S). (4) Press the [MUTING] key and turn off color. (5) With the [VOL ◂] key to get the noise in the screen picture (zero side of setting value). (6) Press the [VOL ▸] key several times and step when noise disappears from the screen (at that time, not to increase the value too much). (7) Change to other channels and make sure that there is no irregularity. (8) Press the [EXIT] key and get color out.

Adjustment item	Initial setting value
S45: AGC ADJ	63

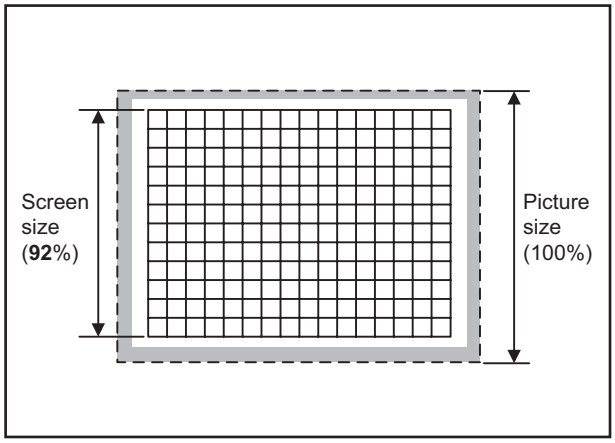
4.7.3 FOCUS

Item	Measuring instrument	Test point	Adjustment part	Description
FOCUS	Signal generator		FOCUS VR [In HVT]	(1) Receive the cross-hatch signal. (2) While watching at the screen, adjust the FOCUS VR to the vertical and horizontal lines will be thinnest and sharpest center horizontal line. (3) Make sure that the picture is in focus even when the screen gets darkened.

4.7.4 DEFLECTION CIRCUIT

- The setting (adjustment) using the remote control unit is made on the basis of the initial setting values.
- The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

Item	Measuring instrument	Test point	Adjustment part	Description
V. SIZE / V. POSITION (4:3)	Signal generator Remote control unit		**AV-27FA44** [2.DEF (D)] D05: V PHASE D07: V SIZE V. CENTER SW (S1421) [MAIN PWB]	(1) Receive the cross-hatch signal. (2) Enter the SERVICE MENU. (3) Select the < D05 > (V PHASE) of the 2.DEF(D). (4) Check that the value of < D05 > is 0. (5) Adjust the vertical screen size of the visible screen top to 92% with the < D07 > (V SIZE) and V CENTER SW. **NOTE :** • Bottom is to be located with 85%~95% range. • When vertical linearity is not even, adjust vertical linearity by < D13 > (V LIN) and < D11 > (VS CORR).
			AV-32FA44 **AV-36FA44** [2.DEF (D)] D05: V PHASE D07: V SIZE D09: V CENTER	(1) Receive the cross-hatch signal. (2) Enter the SERVICE MENU. (3) Select the < D05 > (V PHASE) of the 2.DEF(D). (4) Check that the value of < D05 > is 0. (5) Adjust the vertical screen size of the visible screen top to 92% with the < D07 > (V SIZE) and < D09 > (V CENTER). **NOTE :** • Bottom is to be located with 85%~95% range. • When vertical linearity is not even, adjust vertical linearity by < D13 > (V LIN) and < D11 > (VS CORR).

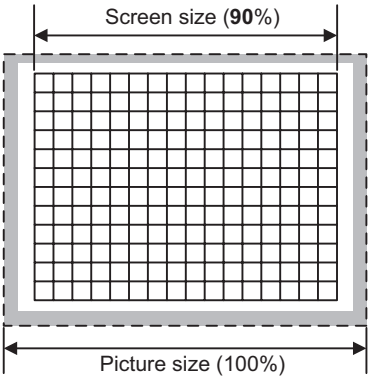


Adjustment item	Initial setting value				
	AV-27FA44		AV-32FA44		AV-36FA44
	ASA	AZA	AYA	AZA	
D05: V PHASE	0		0		0
D07: V SIZE	90	80	80	65	80
D09: V CENTER	32		15	35	15

Item	Measuring instrument	Test point	Adjustment part	Description
V. SIZE / V. POSITION (16:9)	Signal generator Remote control unit		[2.DEF (D)] D08: V. SIZE+- D14: V. LIN+-	• V. SIZE / V. POSITION (4:3) adjustment should be finished. (1) Receive a black and white signal (color off). (2) Select 16:9 mode with the [ASPECT] key. (3) Confirm that the width of V. BLANKING is equal to adjustment value (B). (4) If the adjustment is not correct, enter the SERVICE MENU. (5) Then adjust the < D08 > (V. SIZE+-) and < D14 > (V. LIN+-) to be same to adjustment value (B). **NOTE :** • When you change the VERTICAL adjustment value of the regular mode (4:3), review the adjustment of 16:9 mode again.

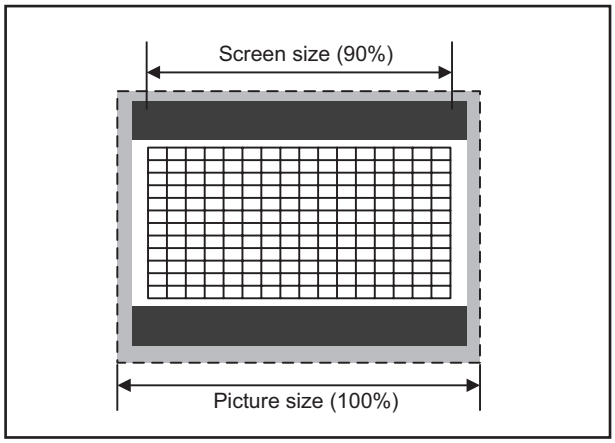
Adjust point	Setting item	Setting value	
B	D08: V. SIZE+- D14: V. LIN+-	50mm	[AV-27FA44]
		60mm	[AV-32FA44]
		67mm	[AV-36FA44]

H. SIZE / H. POSITION / SIDE PIN (4:3)	Signal generator Remote control unit		[2.DEF (D)] D03: H POSI D15: H SIZE D23: EW PARA D19: EWCR TOP D21: EWCR BTM	• V. SIZE / V. POSITION adjustment should be finished. (1) Receive a cross-hatch signal. (2) Enter the SERVICE MENU. (3) Select the < D03 > (H POSI) of the 2.DEF (D). (4) Adjust by H. POSITION to be same size at both side. (5) Then adjust the horizontal size of the visible screen at both size to 90% with the < D15 > (H. SIZE). (6) And adjust the vertical line at both side to become linear line by < D23 > (EW PARA). (7) Confirm the linearity of vertical line and horizontal size. (8) If it is necessary, readjust 1.~7. **NOTE :** • If it is not straight the vertical upper and bottom corner line adjustment the upper and bottom corner pin by < D19 > (EWCR TOP) and < D21 > (EWCR BTM).



Setting item	Initial setting value		
	AV-27FA44	AV-32FA44	AV-36FA44
D03: H POSI	20	25	22
D15: H SIZE	33	31	30
D19: EWCR TOP	12	13	8
D21: EWCR BTM	14	13	8
D23: EW PARA	36	35	37

Item	Measuring instrument	Test point	Adjustment part	Description
H. POSITION / H. SIZE / SIDE PIN (16:9)	Signal generator Remote control unit		[2.DEF (D)] D16: H SIZE+- D04: H POSI+- D24: EW PARA+- D20: EWCR T+- D22: EWCR B+-	• V. SIZE / V. POSITION adjustment should be finished. • H. SIZE / H. POSITION / SIDE PIN adjustment should be finished. (Regular size(4:3)). (1) Receive the cross-hatch signal. (2) Select 16:9 mode with the [ASPECT] key. (3) Enter the SERVICE MENU. (4) Confirm both sides of cross-hatch to be the adjustment value 90%. (5) If it not correct, adjust to be value 90% at the < D16 > (H SIZE+-) and < D04 > (H POSI+-). (6) Confirm the vertical SECOND line from lift and right to be straight. (7) If it is not straight, adjust to be straight at < D24 > (EW PARA+-), < D20 > (EWCR T+-) and < D22 > (EWCR B+-). **NOTE :** • Review the adjustment of 16:9 mode again when you change the SIDE PIN adjustment value of regular (4:3) mode.

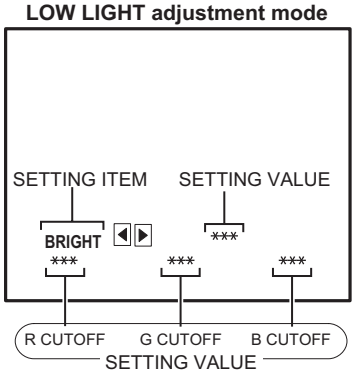


Setting item	Initial setting value		
	AV-27FA44	AV-32FA44	AV-36FA44
D04: H POSI+-	0		
D16: H SIZE+-	0		
D20: EWCR T+-	0		
D22: EWCR B+-	0		
D24: EW PARA+-	-15	-16	-14

4.7.5 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (Low Light)	Signal generator Remote control unit		[1.V/C (S)] S01: BRIGHT S11: R CUTOFF S12: G CUTOFF S13: B CUTOFF [7.LOW LIGHT] SCREEN VR [in HVT]	(1) Receive the black and white signal (color off). (2) Enter the SERVICE MENU. (3) Select the 1.V/C (S). (4) Confirm the initial setting value of < S11 > (R CUTOFF), < S12 > (G CUTOFF), < S13 > (B CUTOFF) and < S01 > (BRIGHT). (5) Return the SERVICE MENU and select the 7.LOW LIGHT. (6) Display a single horizontal line by pressing the [1] key. (7) Turn the SCREEN VR all the way to the left. (8) Turn the SCREEN VR gradually to the right from the left until either one of the red, blue or green colors appears faintly. (9) Adjust the two colors which did not appear until the single horizontal line that is displayed becomes white using the [4] ~ [9] keys. (10) Turn the SCREEN VR until the single horizontal line is displayed faintly. (11) Press the [2] key to cancel the single horizontal line mode. (12) Adjust the BRIGHT level to become the black component shines white slightly. (13) Confirm that whether the color ingredient of R, G, or B is visible to the black component, which shines white slightly. (14) When the color ingredient can be seen, two colors other than a visible color are adjusted, and it is made to look white. (15) Return the value of < S01 > to initial setting value. • The [3] (EXIT) key is the cancel key for the WHITE BALANCE.

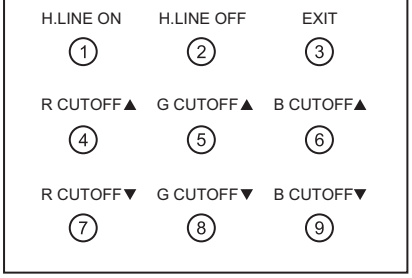
LOW LIGHT adjustment mode



SINGLE HORIZONTAL LINE

Adjustment item	Initial setting value
S11: R CUT OFF	30
S12: G CUT OFF	30
S13: B CUT OFF	30
S01: BRIGHT	64

REMOTE CONTROL UNIT

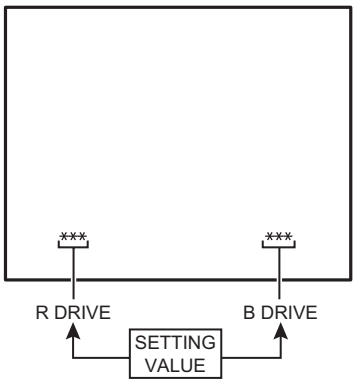


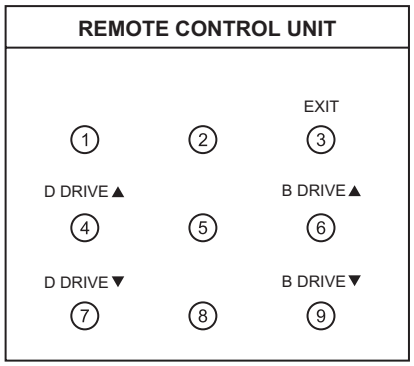
<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>WHITE BALANCE (High Light)</td><td>Signal generator

Remote control unit</td><td></td><td>[1.V/C (S)]
S14: R DRIVE
S15: B DRIVE

[8.HIGH LIHGT]</td><td rowspan="2">(1) Receive the black-and-white signal (color off).
(2) Enter the SERVICE MENU.
(3) Select the 1.V/C (S).
(4) Set the initial setting value of < S14 > (R DRIVE) and < S15 > (B DRIVE).
(5) Return the SERVICE MENU and select the 8.HIGH LIGHT.
(6) Adjust the screen until it becomes white using the [4], [6], [7] and [9] keys.

• The [3] (EXIT) key is the cancel key for the WHITE BALANCE.

<table><tr><th>Adjustment item</th><th>Initial setting value</th></tr><tr><td>S14: R DRIVE</td><td>64</td></tr><tr><td>S15: G DRIVE</td><td>64</td></tr></table></td></tr>
<tr><td colspan="4">HIGH LIGHT adjustment mode
 

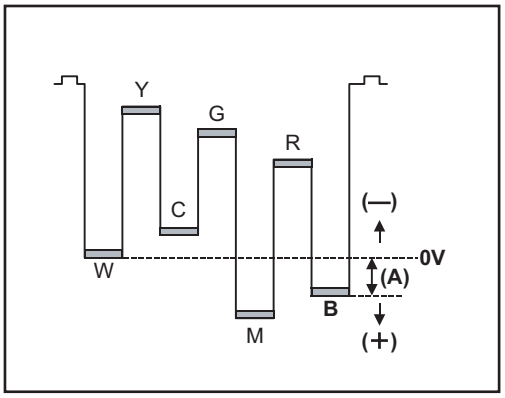
 
</td></tr>
<tr><td>SUB BRIGHT</td><td>Remote control unit</td><td></td><td>[1.V/C (S)]
S01: BRIGHT</td><td rowspan="2">(1) Receive the broadcast and set the STANDARD mode.
(2) Enter the SERVICE MENU.
(3) Select < S01 > (BRIGHT) of the 1.V/C(S).
(4) Set the initial setting value of the < S01 >.
(5) If the brightness is not the best with the initial setting value, make fine adjustment of the < S01 > until you get the optimum brightness.</td></tr>
<tr><td colspan="4"><table><tr><th>Adjustment item</th><th>Initial setting value</th></tr><tr><td>S01: BRIGHT</td><td>64</td></tr></table></td></tr>
<tr><td>SUB CONTRAST</td><td>Remote control unit</td><td></td><td>[1.V/C (S)]
S02: PICTURE</td><td rowspan="2">(1) Receive the broadcast and set the STANDARD mode.
(2) Enter the SERVICE MENU.
(3) Select < S02 > (PICTURE) of the 1.V/C(S).
(4) Set the initial setting value of the < S02 >.
(5) If the contrast is not the best with the initial setting value, make fine adjustment of the < S02 > until you get the optimum contrast.</td></tr>
<tr><td colspan="4"><table><tr><th>Adjustment item</th><th>Initial setting value</th></tr><tr><td>S02: PICTURE</td><td>60</td></tr></table></td></tr>
</table>

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td rowspan="3">SUB COLOR</td><td>Remote control unit</td><td></td><td>[1.V/C (S)]
S03: COLOR</td><td rowspan="2">[Method of adjustment without measuring instrument]
(1) Receive the broadcast.
(2) Enter the SERVICE MENU.
(3) Select < S03 > (COLOR) of the 1.V/C(S).
(4) Set the initial setting value of the < S03 >.
(5) If the color is not the best with the Initial setting value, make fine adjustment of the < S03 > until you get the optimum color.</td></tr>
<tr><td colspan="3"><table><tr><th>Adjustment item</th><th>Initial setting value</th></tr><tr><td>S03: COLOR</td><td>50</td></tr></table></td></tr>
<tr><td>Signal generator

Oscilloscope

Remote control unit</td><td>TP-B
TP-E
[CRT SOCKET PWB]</td><td>[9.RF AFC]

[1.V/C (S)]
S03: COLOR</td><td>[Method of adjustment using measuring instrument]
(1) Input the full field color bar signal (75% white).
(2) Enter the SERVICE MENU.
(3) Select 9.RF AFC, and set the AFC to OFF.
(4) Select < S03 > (COLOR) of the 1.V/C(S).
(5) Set the initial setting value of the < S03 >.
(6) Connect the oscilloscope between TP-B and TP-E.
(7) Adjust COLOR and bring the value of (A) in the figure to the voltage shown in the table bellow.
(8) Reset the AFC setting position from OFF to ON.

<table><tr><th>Model name</th><th>Setting value</th></tr><tr><td>AV-27FA44</td><td>+17V</td></tr><tr><td>AV-32FA44</td><td>+27V</td></tr><tr><td>AV-36FA44</td><td>+30V</td></tr></table></td></tr>
<tr><td colspan="4"> 
</td></tr>
</table>

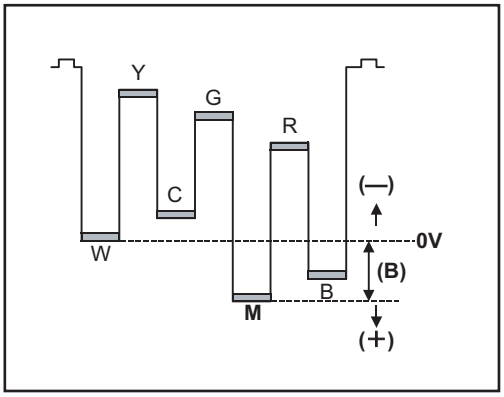
<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td rowspan="2">SUB TINT</td><td>Remote control unit</td><td></td><td>[1.V/C (S)]
S04: TINT</td><td>[Method of adjustment without measuring instrument]
(1) Receive the broadcast.
(2) Enter the SERVICE MENU.
(3) Select < S04 > (TINT) of the 1.V/C(S).
(4) Set the initial setting value of the < S04 >.
(5) If the tint is not the best with the initial setting value, make fine adjustment of the < S04 > until you get the optimum tint.

<table><tr><th>Adjustment item</th><th>Initial setting value</th></tr><tr><td>S04: TINT</td><td>68</td></tr></table></td></tr>
<tr><td>Signal generator

Oscilloscope

Remote control unit</td><td>TP-B
TP-E
[CRT SOCKET PWB]</td><td>[9.RF AFC]

[1.V/C (S)]
S04: TINT</td><td>[Method of adjustment using measuring instrument]
(1) Input the full field color bar signal (75% white).
(2) Enter the SERVICE MENU.
(3) Select 9.RF AFC, and set the AFC to OFF.
(4) Select < S04 > (TINT) of the 1.V/C(S).
(5) Set the initial setting value of the < S04 >.
(6) Connect the oscilloscope between TP-B and TP-E.
(7) Adjust TINT and bring the value of (B) in the figure to the voltage shown in the table bellow.
(8) Reset the AFC setting position from OFF to ON.

<table><tr><th colspan="2">Model name</th><th>Setting value</th></tr><tr><td>AV-27FA44</td><td>ASA
AZA</td><td>+9V</td></tr><tr><td rowspan="2">AV-32FA44</td><td>AYA</td><td>+9V</td></tr><tr><td>AZA</td><td>+20V</td></tr><tr><td>AV-36FA44</td><td>AYA</td><td>+28V</td></tr></table></td></tr>
<tr><td colspan="4"> 
</td></tr>
</table>

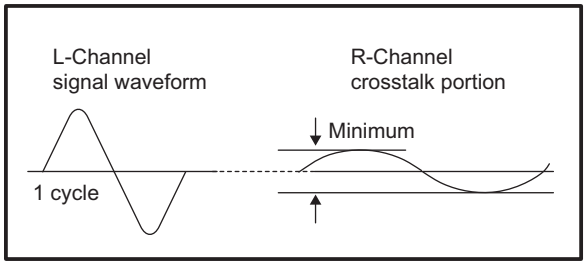
4.7.6 MTS CIRCUIT

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>MTS INPUT LEVEL</td><td>Signal generator

Remote control unit</td><td>R OUT
[AUDIO OUT]</td><td>[3.SOUND (A)]
A01: IN LEVEL</td><td>(1) Receive the cross-hatch signal (cross-hatch / 400Hz)
(2) Enter the SERVICE MENU.
(3) Select the < A01 > (IN LEVEL) of the 3.SOUND (A).
(4) Verify that the < A01 > is set at its initial setting value.
(5) Connect the signal generator to R OUT pin of the AUDIO OUT.
(6) Adjust the MTS input level to 500mV(rms) by < A01 >.

<table><tr><th>Adjustment item</th><th>Initial setting value</th></tr><tr><td>A01: IN LEVEL</td><td>10</td></tr></table></td></tr>
<tr><td>MTS SEPARATION</td><td>TV audio multiplex signal generator

Oscilloscope</td><td>R OUT
L OUT
[AUDIO OUT]</td><td>[3.SOUND (A)]
A02: LOW SEP.
A03: HI SEP.</td><td>(1) Input the stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal.
(2) Connect an oscilloscope to R OUT pin of the AUDIO OUT, and display one cycle portion of the 300Hz signal.
(3) Enter the SERVICE MENU.
(4) Select the < A02 > (LOW SEP.) of the 3.SOUND (A).
(5) Set the initial setting value of the < A02 >.
(6) Adjust the < A02 > so that the stroke element of the 300Hz signal will become minimum.
(7) Change the connection of the oscilloscope to L OUT pin of the AUDIO OUT, and enlarge the voltage axis.
(8) Change the signal to 3kHz, and similarly adjust the < A03 > (HI SEP.).

<table><tr><th>Adjustment item</th><th>Initial setting value</th></tr><tr><td>A02: LOW SEP</td><td>32</td></tr><tr><td>A03: HI SEP</td><td>32</td></tr></table></td></tr>
<tr><td colspan="4"> 
</td></tr>
</table>

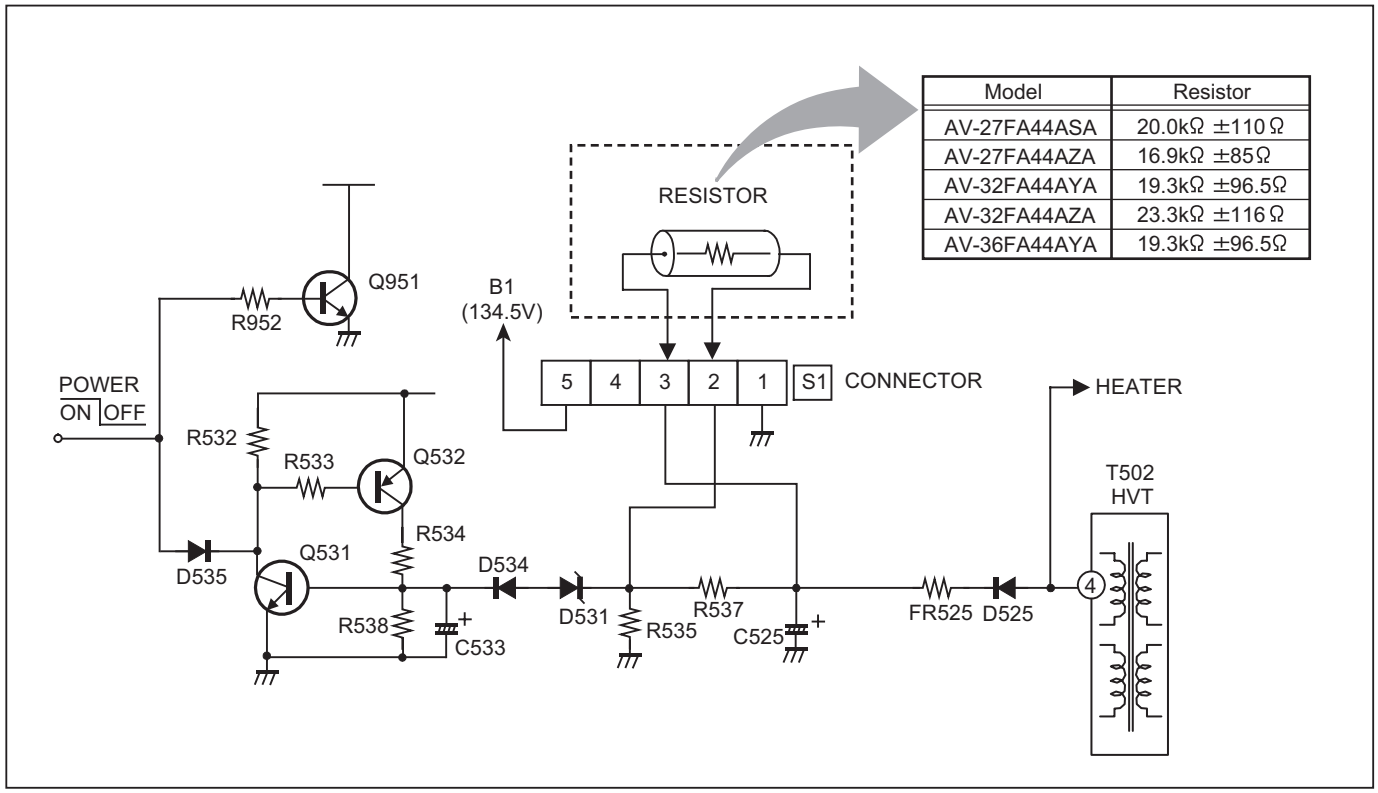
4.8 HOW TO CHECK THE HIGH VOLTAGE HOLD DOWN CIRCUIT

4.8.1 HIGH VOLTAGE HOLD DOWN CIRCUIT

After repairing the high voltage hold down circuit shown in Fig. 1.
This circuit shall be checked to operate correctly.

4.8.2 CHECKING OF THE HIGH VOLTAGE HOLD DOWN CIRCUIT

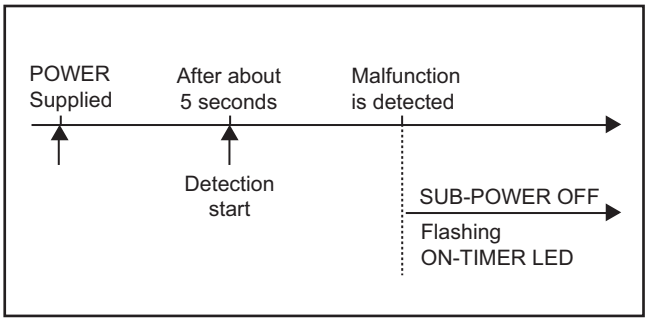
(1) Turn the power switch to on.
(2) As shown in Fig. 1, set the resistor between [S1] connector [2] and [3] .
(3) Make sure that the screen picture disappears.
(4) Temporarily unplug the power plug.
(5) Remove the resistor replaced [S1] connector [2] and [3] .
(6) Again plug the power plug, make sure that the normal picture is displayed on the screen.



SECTION 5
TROUBLE SHOOTING

5.1 SELF CHECK INDICATING FUNCTION

The self check function begins detection about 5 seconds after power is supplied.
In the event a malfunction is detected, the sub-power is cut off immediately.
At this time, the ON TIMER LED flashes to inform of the malfunction.



[ON-TIMER LED indication]

Item	LED ON / OFF intervals
B1 over current / NECK	0.5-second (ON / OFF)

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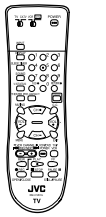
SCHEMATIC DIAGRAMS

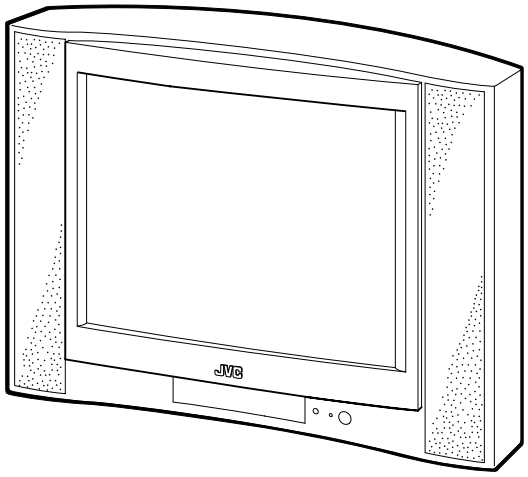
COLOR TELEVISION

AV-27FA44/ASA, AV-27FA44/AZA,
AV-32FA44/AYA, AV-32FA44/AZA,
AV-36FA44/AYA

CD-ROM No.SML200307

BASIC CHASSIS
GJ2





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No.52114
2003/6

AV-27FA44/ASA, AV-27FA44/AZA, AV-32FA44/AYA, AV-32FA44/AZA, AV-36FA44/AYA

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the⚠ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Colour bar signal

(2)Setting positions of each knob/button and variable resistor : Original setting position when shipped

(3)Internal resistance of tester : DC 20kΩ/V

(4)Oscilloscope sweeping time : H ⇒ 20μs / div
: V ⇒ 5ms / div
: Othters ⇒ Sweeping time is specified

(5)Voltage values : All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board : R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

No unit	: [Ω]
K	: [kΩ]
M	: [MΩ]

● Rated allowable power

No indication	: 1/16 [W]
Others	: As specified

● Type

No indication	: Carbon resistor
OMR	: Oxide metal film resistor
MFR	: Metal film resistor
MPR	: Metal plate resistor
UNFR	: Uninflammable resistor
FR	: Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

1 or higher	: [pF]
less than 1	: [μF]

● Withstand voltage

No indication	: DC50[V]
Others	: DC withstand voltage [V]
AC indicated	: AC withstand voltage [V]

∗ Electrolytic Capacitors
47/50[Example]: Capacitance value [μF]/withstand voltage[V]

● Type

No indication	: Ceramic capacitor
MM	: Metalized mylar capacitor
PP	: Polypropylene capacitor
MPP	: Metalized polypropylene capacitor
MF	: Metalized film capacitor
TF	: Thin film capacitor
BP	: Bipolar electrolytic capacitor
TAN	: Tantalum capacitor

(3)Coils

No unit	: [μH]
Others	: As specified

(4)Power Supply

: B1 : B2 (12V)
: 9V : 5V

∗ Respective voltage values are indicated

(5)Test point

: Test point : Only test point display

(6)Connecting method

: Connector : Wrapping or soldering
: Receptacle

(7)Ground symbol

: LIVE side ground
: ISOLATED(NEUTRAL) side ground
: EARTH ground
: DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏚) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

NOTE

◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.
When ordering parts, please use the numbers that appear in the Parts List.

CONTENTS

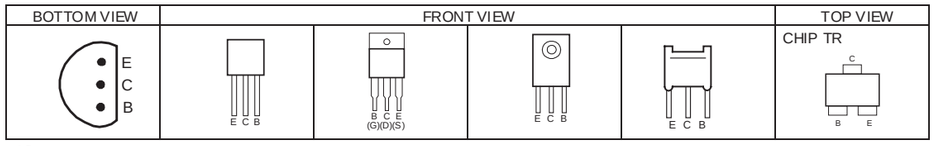
SEMICONDUCTOR SHAPES 2-2
BLOCK DIAGRAM 2-3
CIRCUIT DIAGRAMS 2-5
MAIN PWB CIRCUIT DIAGRAM 2-5
AV SELECTOR PWB CIRCUIT DIAGRAM 2-9
CRT SOCKET PWB CIRCUIT DIAGRAM 2-11
FRONT CONTROL PWB CIRCUIT DIAGRAM 2-13
LED & POWER SW PWB CIRCUIT DIAGRAM 2-14
DAF PWB CIRCUIT DIAGRAM 2-15
PATTERN DIAGRAMS 2-17
MAIN PWB PATTERN 2-17
AV SELECTOR PWB PATTERN 2-19
CRT SOCKET PWB PATTERN 2-20
DAF PWB PATTERN 2-21
FRONT CONTROL PWB PATTERN 2-22
LED & POWER SW PWB PATTERN 2-22
CHANNEL CHART (US) 2-23
CHANNEL CHART (CA) 2-24

USING P.W. BOARD

PWB ASS'Y name	AV-27FA44/ASA	AV-27FA44/AZA	AV-32FA44/AYA	AV-32FA44/AZA	AV-36FA44/AYA
MAIN P.W. BOARD	SGJ-1508A-M2	SGJ-1509A-M2	SGJ-1506A-M2	SGJ-1510A-M2	SGJ-1507A-M2
CRT SOCKET P.W. BOARD	SGJ-3502A-M2	SGJ-3506A-M2	SGJ-3504A-M2	SGJ-3503A-M2	SGJ-3501A-M2
AV SELECTOR P.W. BOARD	SGJ-5502A-M2	←	←	←	←
FRONT CONTROL P.W. BOARD	SGJ-6501A-M2	←	SGJ-6502A-M2	←	SGJ-6503A-M2
LED & POWER SW P.W. BOARD	SGJ-7502A-M2	←	←	←	←
DAF P.W BOARD	-	-	SGJ-2503A-M2	SGJ-2502A-M2	SGJ-2501A-M2

SEMICONDUCTOR SHAPES

TRANSISTOR



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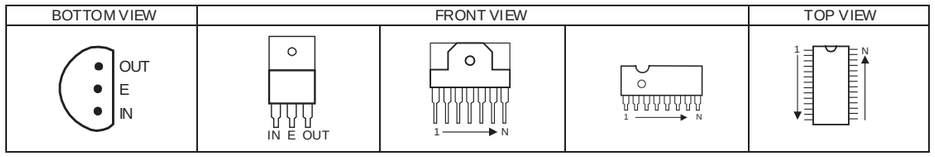

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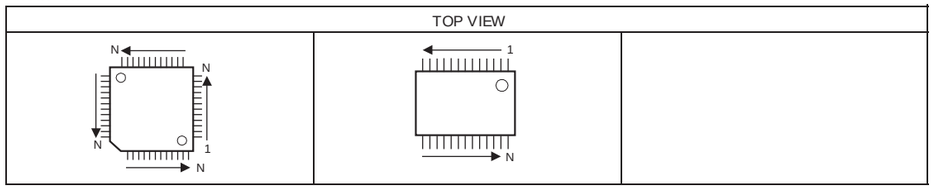
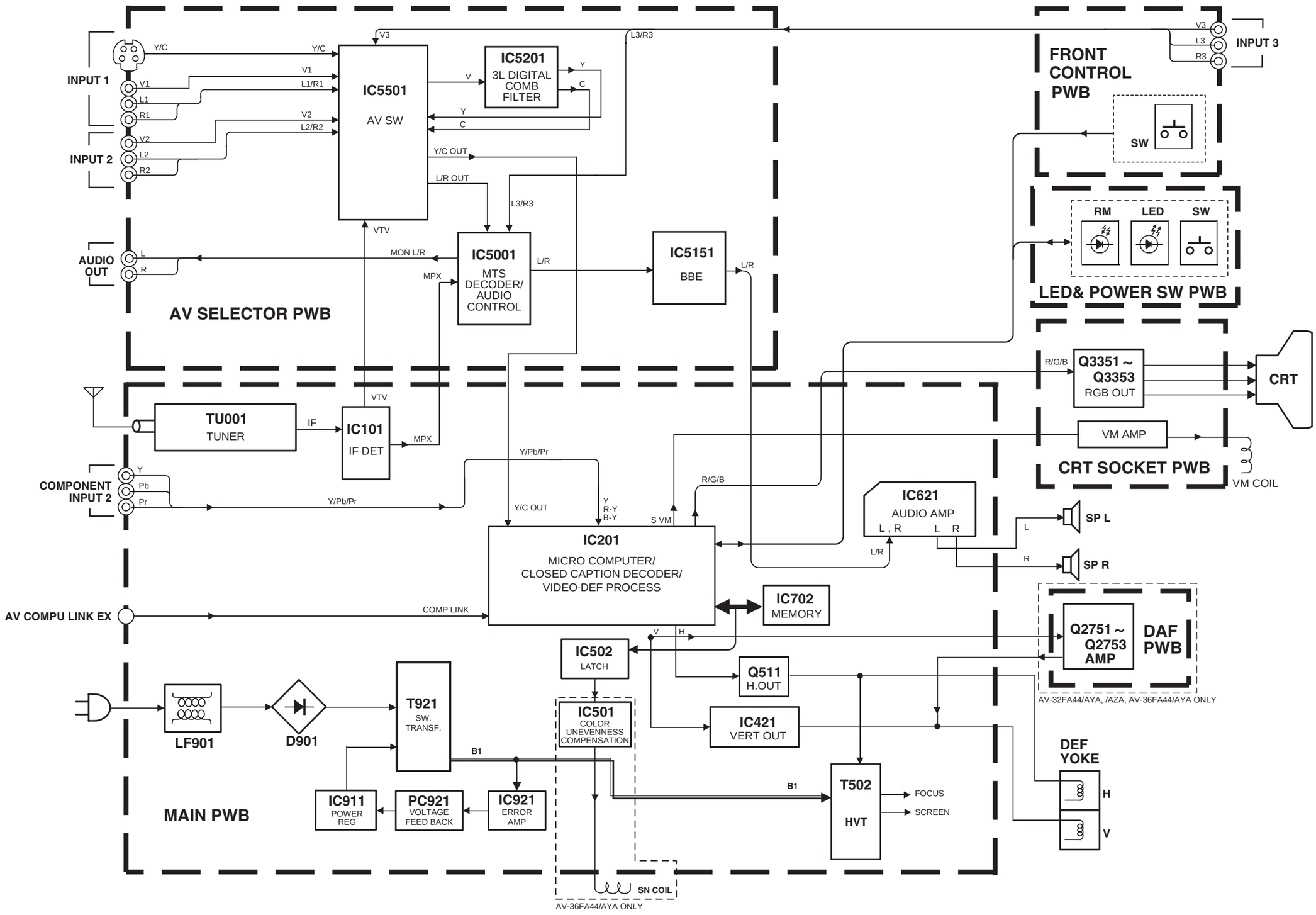
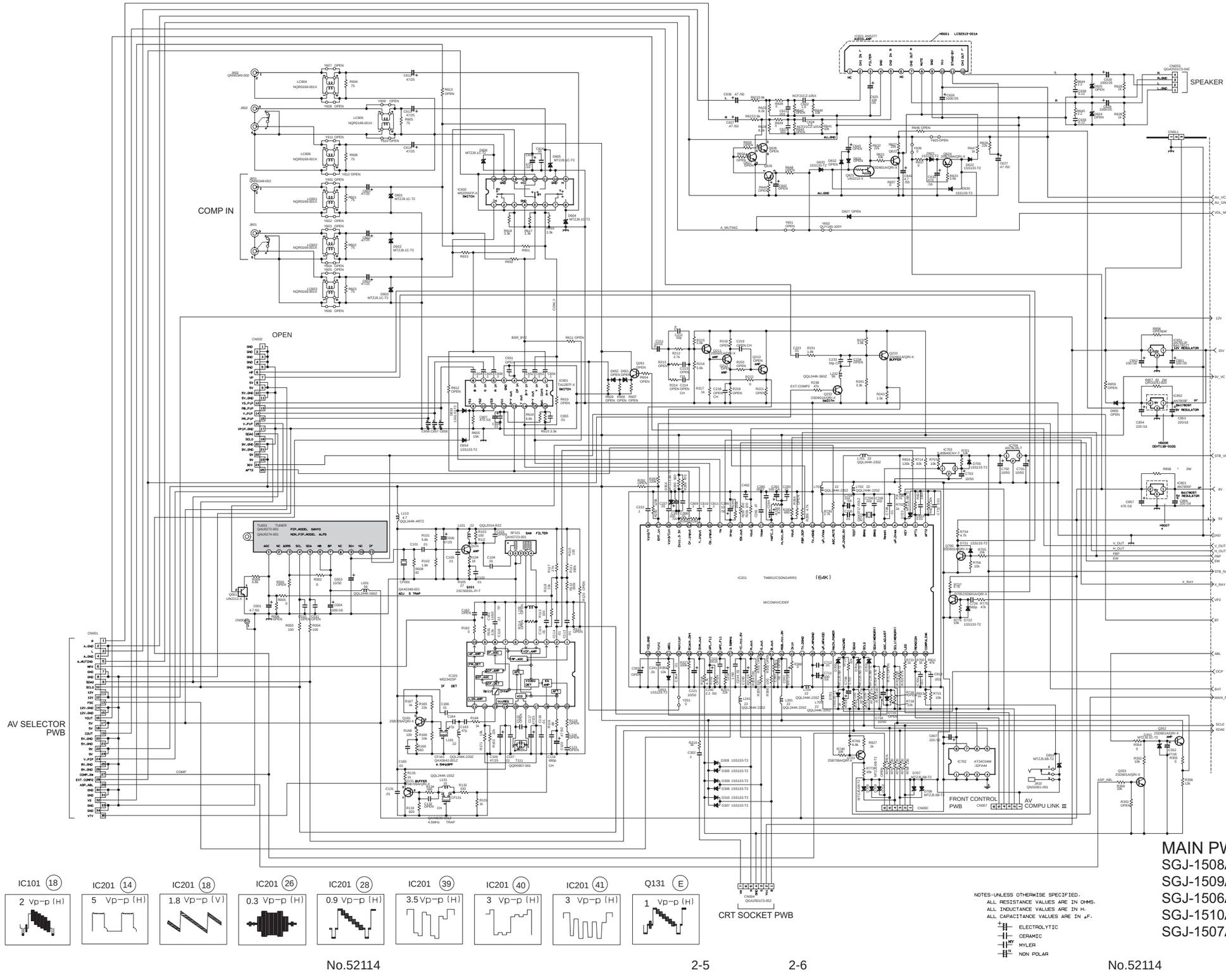


BLOCK DIAGRAM



CIRCUIT DIAGRAMS

MAIN PWB CIRCUIT DIAGRAM (1/2) SHEET 1



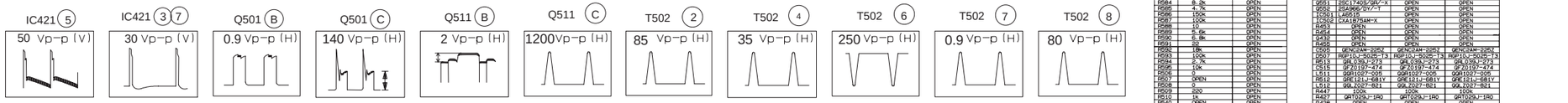
* DIFFERENCE LIST

	SU-1508A SU-1509A SU-1510A	SU-1506A SU-1507A
&700	OPEN	OPEN
&705	OPEN	OPEN
&731	OPEN	OPEN
&732	OPEN	OPEN
&735	OPEN	OPEN
&756	OPEN	OPEN
&757	OPEN	OPEN
&758	OPEN	OPEN
&738	OPEN	OPEN
&714	OPEN	OPEN
C701	OPEN	OPEN
C751	OPEN	OPEN
C851	OPEN	OPEN
JC851	OPEN	OPEN
JM53	OPEN	OPEN
JM54	OPEN	OPEN
JR510	L	L
JR511	L	L
JR512	OPEN	OPEN
JR514	OPEN	OPEN
JR515	OPEN	OPEN
JR605	OPEN	OPEN
JR604	OPEN	OPEN
JR626	OPEN	OPEN
JR625	OPEN	OPEN
JR624	OPEN	OPEN
JR623	OPEN	OPEN
JR622	OPEN	OPEN
JR621	OPEN	OPEN
JR620	OPEN	OPEN
JR619	OPEN	OPEN
JR618	OPEN	OPEN
JR617	OPEN	OPEN
JR616	OPEN	OPEN
JR615	OPEN	OPEN
JR614	OPEN	OPEN
JR613	OPEN	OPEN
JR612	OPEN	OPEN
JR611	OPEN	OPEN
JR610	OPEN	OPEN
JR609	OPEN	OPEN
JR608	OPEN	OPEN
JR607	OPEN	OPEN
JR606	OPEN	OPEN
JR604	OPEN	OPEN
JR603	OPEN	OPEN
JR602	OPEN	OPEN
JR601	OPEN	OPEN
JR600	OPEN	OPEN
JR605	OPEN	OPEN
JR606	OPEN	OPEN
JR613	OPEN	OPEN
JR636	OPEN	OPEN
JR617	OPEN	OPEN
JR616	OPEN	OPEN
JR853	0	0
JR852	0	0
JR851	0	0
C612	OPEN	OPEN
C613	OPEN	OPEN
C614	OPEN	OPEN
C615	OPEN	OPEN
C616	OPEN	OPEN
L605	OPEN	OPEN
L606	OPEN	OPEN
JS02	OPEN	OPEN
JS05	OPEN	C to E SW
HS008	OPEN	OPEN
HS0073	OPEN	CEHT13D-002G

PIN NO.	VOLTAGE (V)
IC101	
1	2.5
2	4.8
3	1.4
4	1.4
5	0
6	0
7	0
8	3.2
9	2.3
10	5.5
11	2.1
12	3.3
13	2.1
14	9
15	3.9
16	3.9
17	4.8
18	2
19	3.4
20	1.5
IC201	
1	2.8
2	2.1
3	4.7
4	0
5	5
6	2.2
7	NC
8	0
9	5
10	0
11	0
12	0
13	1.1
14	1.9
15	9
16	6.6
17	3.4
18	4.1
19	3.2
20	0
21	0
22	2.1
23	2.2
24	2
25	5.1
26	2.1
27	2
28	2.3
29	0
30	2.1
31	5.9
32	0.1
33	2.5
34	3.8
35	1.6
36	2.5
37	2.8
38	4.7
39	1.8
40	1.9
41	1.9
42	9
43	0
44	0
45	0
46	5
47	0
48	0
49	4.6
50	4.6
51	4.7
52	2.5
53	4.8
54	0
55	4.9
56	0.4
IC601	
1	6.1
2	6.1
3	6.1
4	0
5	0
6	6.1
7	6.1
8	6.1
9	0
10	0
11	0
12	9
13	4.8
14	0
15	4.8
16	2.9
IC602	
1	4.5
2	6.1
3	3.1
4	0
5	3.1
6	3.1
7	6.1
8	4.6
9	4.5
10	0
11	4.5
12	6.1
13	8.9
14	4.5
15	0
16	4.6
IC621	
1	1.2
2	1.3

PIN NO.	VOLTAGE (V)
3	0
4	NC
5	NC
6	11
7	22.2
8	22.3
9	1.8
10	0
11	10.1
12	0
13	10
IC702	
1	0
2	0
3	0
4	0
5	4.7
6	4.8
7	0
8	5
IC703	
1	5
2	5
3	0
IC704	
1	5
2	11.5
3	0
IC851	
1	13.7
2	12
3	0
IC852	
1	13.7
2	8.9
3	0
IC853	
1	9.1
2	4.8
3	0
TU001	
1	1
2	NC
3	4.7
4	3.9
5	4.2
6	4.7
7	4.7
8	NC
9	31.3
10	NC
11	0
Q101	
E	1.8
C	9
B	1
Q131	
E	1.6
C	0
B	0.9
Q161	
E	2
C	5.8
B	2.6
Q211	
E	3.8
C	9
B	4.5
Q232	
E	0
C	0
B	0.5
Q233	
E	3.4
C	9
B	4
Q352	
E	8.3
C	9
B	8.9
Q353	
E	0
C	6.3
B	0.1
Q622	
E	0
C	0
B	0.6
Q623	
E	0
C	13.7
B	0.1
Q624	
E	4.8
C	-0.5
B	0
Q700	
E	0
C	3.8
B	0.2
Q701	
E	3.6
C	2.4
B	3
Q705	
E	0
C	4.6
B	0

MAIN PWB CIRCUIT DIAGRAM (2/2) SHEET 2



* DIFFERENCE LIST

	SGJ-1507A	SGJ-1506A SGJ-1508A SGJ-1509A SGJ-1510A
R581	10	OPEN
R582	120K	OPEN
R583	68K	OPEN
R584	8.2K	OPEN
R585	4.7K	OPEN
R586	150K	OPEN
R587	100K	OPEN
R588	10	OPEN
R589	5.6K	OPEN
R590	6.8K	OPEN
R591	22	OPEN
R592	18K	OPEN
R593	100K	OPEN
R594	2.7K	OPEN
R595	10K	OPEN
R505	0	OPEN
R506	0	OPEN
R508	0	OPEN
R509	220	OPEN
R510	1K	OPEN
R540	OPEN	OPEN
R541	0	OPEN
R542	OPEN	OPEN
R515	220	OPEN
R556	10K	OPEN
R559	1K	OPEN
R514	1K	OPEN
R560	1K	OPEN

* DIFFERENCE LIST

	SGJ-1507A	SGJ-1506A	SGJ-1508A
C561	.01	OPEN	OPEN
C562	10/50	OPEN	OPEN
C551	.47	OPEN	OPEN
C552	.47	OPEN	OPEN
C553	47/25	OPEN	OPEN
Q551	2SC1740S/QRY-X	OPEN	OPEN
Q552	2SA966/SY-T	OPEN	OPEN
IC501	LA6515	OPEN	OPEN
IC502	CXA1875AM-X	OPEN	OPEN
R453	OPEN	OPEN	OPEN
R454	OPEN	OPEN	OPEN
Q430	OPEN	OPEN	OPEN
R456	OPEN	OPEN	OPEN
C505	QEN-2AM-226V	QEN-2AM-226V	QEN-2AM-226V
C507	RGP10J-5025-T3	RGP10J-5025-T3	RGP10J-5025-T3
R513	QRL039J-273	QRL039J-273	QRL039J-273
C515	QF20197-474	QF20197-474	QF20197-474
L511	QQR11027-005	QQR11027-005	QQR11027-005
R512	QRE121J-681Y	QRE121J-681Y	QRE121J-681Y
L516	QQL2027-821	QQL2027-821	QQL2027-821
R447	100K	100K	100K
R427	QRT029J-1R0	QRT029J-1R0	QRT029J-1R0
R428	OPEN	OPEN	OPEN
T502	QQH0105-001	QQH0105-001	QQH0121-001
L521	QQL2026-800	QQL2026-800	QQL2026-800
C510	QFA0200-422	QFA0200-422	QFA0200-422
C513	QFA0218-153	QFA0218-153	QFA0218-153
C514	QFA0305J-183	QFA0305J-183	QFA0305J-183
C573	QETN1HM-106Z	QETN1HM-106Z	QETN1HM-106Z
CN008	OPEN	OPEN	OPEN
CN009	OPEN	OPEN	OPEN
R527	QRE121J-124Y	QRE121J-124Y	QRE121J-124Y
R517	47k	47k	47k
R448	47k	47k	47k

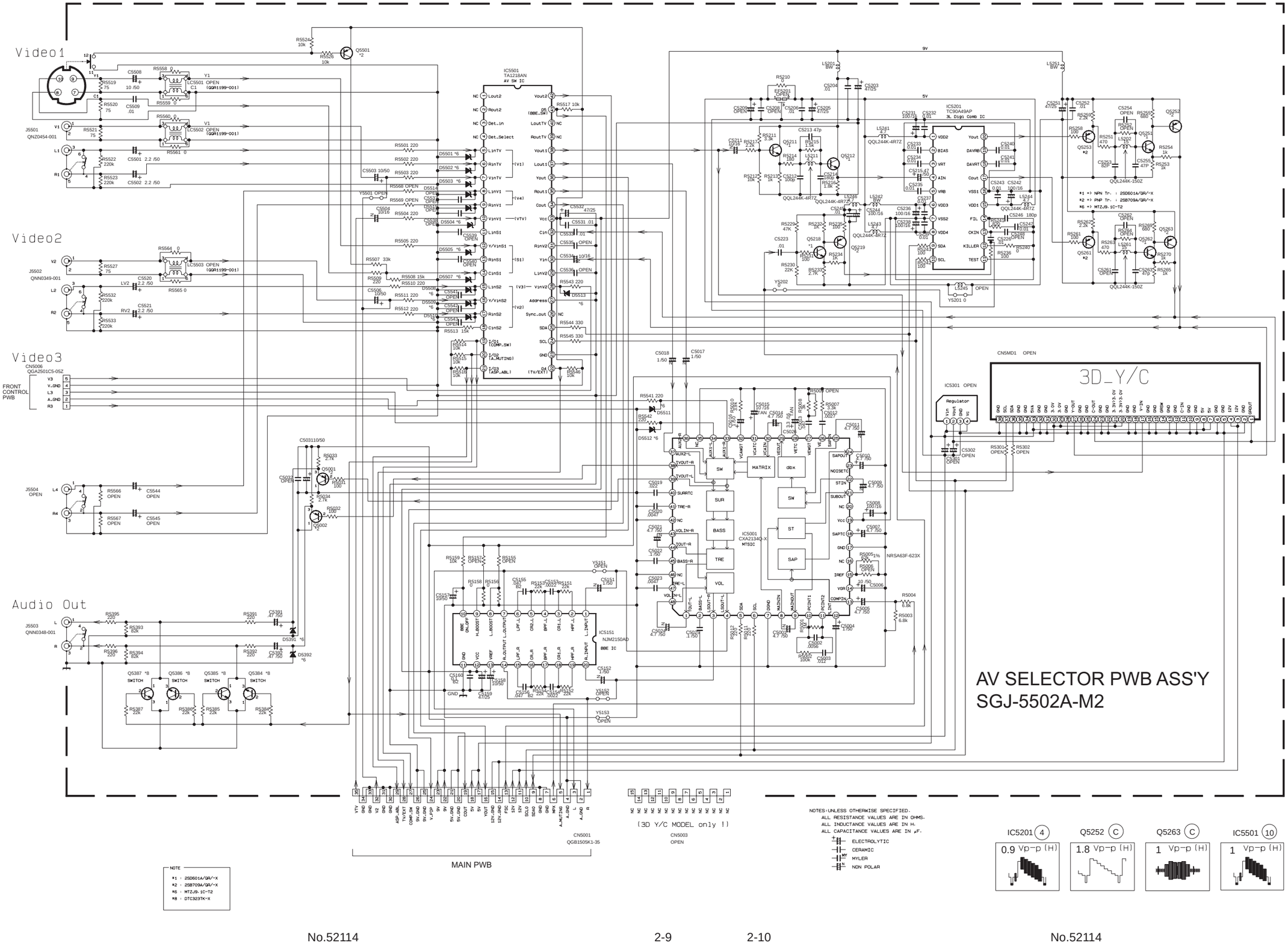
PIN NO.	VOLTAGE (V)
IC421	
1	0
2	15.2
3	30.3
4	2.6
5	2.6
6	29.3
7	3.3
IC501	
1	1.4
2	0
3	4.5
4	6.9
5	0
6	6.6
7	3.6
8	0
9	1.4
10	0.9
IC502	
1	0
2	0
3	2.5
4	NC
5	NC
6	NC
7	NC
8	0
9	0
10	NC
11	0
12	0
13	0
14	4.2
15	3.9
16	5
IC911	
1	1.5
2	0
3	152.2
4	17.8
5	0
IC921	
1	135.2
2	11.5
3	0
PC321	
1	12.5
2	11.5
3	1.5
4	16.1
Q431	
E	0
C	0
B	2
Q501	
E	0
C	75.1
B	0.3
Q511	
E	0
C	130
B	-0.1
Q531	
E	0
C	10
B	0
Q532	
E	10
C	0
B	10
Q541	
E	4.5
C	0.6
B	4
Q542	
E	4.5
C	0
B	3.9
Q543	
E	0
C	14.4
B	0.6
Q551	
E	0
C	11.8
B	0
Q552	
E	11.9
C	0.9
B	11.8

NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.
ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

MAIN PWB ASS'Y

SGJ-1508A-M2: AV-27FA44/ASA
SGJ-1509A-M2: AV-27FA44/AZA
SGJ-1506A-M2: AV-32FA44/AYA
SGJ-1510A-M2: AV-32FA44/AZA
SGJ-1507A-M2: AV-36FA44/AYA

AV SELECTOR PWB CIRCUIT DIAGRAM SHEET 3



PIN NO.	VOLTAGE (V)
IC5001	
1	4.1
2	4.1
3	4.1
4	4.1
5	4.1
6	3.8
7	0
8	4.1
9	3.9
10	4.1
11	4
12	4.5
13	4.1
14	1.2
15	1.2
16	NC
17	0
18	3
19	9
20	NC
21	4.1
22	4
23	4.1
24	3.8
25	4.1
26	4
27	4
28	2
29	4
30	4
31	2
32	4
33	4
34	4
35	0
36	4
37	4
38	4.1
39	4
40	4.1
41	4.1
42	0
43	4
44	4.1
45	4.1
46	0
47	4.1
48	4
IC5151	
1	4.5
2	4.5
3	4.5
4	4.5
5	4.5
6	4.5
7	4.5
8	9
9	9
10	0.1
11	0
12	9
13	4.5
14	4.5
15	4.4
16	4.5
17	4.5
18	4.5
19	4.5
20	4.5
IC5171	
1	4.4
2	4.4
3	4.4
4	4.4
5	4.4
6	8.8
7	0
8	0
9	0
10	4.4
11	4.4
12	4.4
13	4.4
14	4.4
IC5201	
1	4.8
2	1.3
3	3
4	2.3
5	1.4
6	4.8
7	0
8	4.8
9	4.2
10	3.6
11	0
12	0
13	2.4
14	1.6
15	4.8
16	0
17	2.3
18	3
19	1.7
20	2.3
IC5351	
1	4.4
2	4.4
3	4.4
4	0
5	4.4
6	4.4
7	4.4
8	8.8
IC5501	
1	NC
2	NC
3	NC
4	NC
5	5.2
6	5.2
7	5.2
8	5.2
9	5.2
10	5.2
11	5.2
12	5.1
13	5.2
14	1.7
15	5.2
16	5.2
17	5.2
18	1.7
19	4.2
20	3.3
21	0.1
22	7.5
23	0
24	3.7
25	4.2
26	NC
27	0
28	5.2
29	5.2
30	5.1
31	5.2
32	5.1
33	9
34	3.7
35	3.9
36	3.7
37	3.9
38	4.4
39	NC
40	NC
41	0.1
42	4.4
IC5701	
1	NC
2	3.8
3	4
4	2.8
5	0
6	0
7	NC
8	0
9	NC
10	NC
11	NC
12	NC
13	5
14	5
15	5
16	5
Q5001	
E	4.8
C	0
B	4.2
Q5002	
E	4.8
C	0
B	4.2
Q5211	
E	6
C	9
B	6.7
Q5212	
E	5.4
C	9
B	6
Q5251	
E	2.3
C	8.4
B	2.9
Q5252	
E	9
C	3.7
B	8.4
Q5253	
E	2.9
C	3.7
B	2.3
Q5261	
E	2.9
C	0
B	2.3
Q5262	
E	2.3
C	8.4
B	2.9
Q5263	
E	9
C	3.7
B	8.4
Q5384	
E	0
C	0
B	0.3
Q5385	
E	0
C	0
B	-0.3
Q5386	
E	0
C	0
B	-0.3
Q5399	
E	0.1
C	-0.2
B	0
Q5351	
E	0.1
C	-0.3
B	0
Q5352	
E	0
C	0
B	-0.3

CRT SOCKET PWB CIRCUIT DIAGRAM SHEET 4

PIN NO.	VOLTAGE (V)
Q3109	
E	1.8
C	11.3
B	2.4
Q3103	
E	12
C	4.5
B	11.3
Q3105	
E	4.6
C	12
B	5.2
Q3151	
E	4.6
C	12
B	4.9
Q3106	
E	4.6
C	0
B	44
Q3152	
E	4.6
C	0
B	6.9
Q3107	
E	124.8
C	64.3
B	124.2
Q3108	
E	2.5
C	64.3
B	3.1
Q3301	
E	1.3
C	11.5
B	1.9
Q3304	
E	11.5
C	161
B	12
Q3302	
E	1.3
C	11.5
B	1.9
Q3305	
E	11.5
C	160.6
B	12
Q3303	
E	1.4
C	11.5
B	2
Q3306	
E	11.5
C	159.7
B	12
Q3351	
E	11.5
C	2
B	12

CRT

* DIFFERENCE LIST

	AV-27FA44	AV-32FA44	AV-36FA44
S	A68QCP893X001		
Y		A80AJZ90X03	A90AJZ90X02
Z	A68QCU754X62N	A80ERF042X17	

* DIFFERENCE LIST

	SGJ-3501A SGJ-3504A	SGJ-3502A	SGJ-3506A
C3323	470/16	100/16	100/16
R3351	1k	1k	2.2k
R3352	1k	1k	2.2k
R3353	1k	1k	2.2k
R3354	560	1k	1k
C3351	330/16	100/16	100/16
C3361	1/250	OPEN	OPEN
R3361	GRC121K-105Z	OPEN	OPEN
R3362	GRC121K-102Z	BW	BW
D3361	RM2C-LFA1	BW	BW
R3335	270	270	270
R3331	2.7k	2.7k	2.7k
R3332	2.7k	2.7k	2.7k
R3333	2.7k	2.7k	2.7k

Q3304 (C) 120 Vp-p (H)

Q3305 (C) 120 Vp-p (H)

Q3306 (C) 140 Vp-p (H)

CRT SOCKET PWB ASS'Y

SGJ-3502A-M2: AV-27FA44/ASA
SGJ-3506A-M2: AV-27FA44/AZA
SGJ-3504A-M2: AV-32FA44/AYA
SGJ-3503A-M2: AV-32FA44/AZA
SGJ-3501A-M2: AV-36FA44/AYA

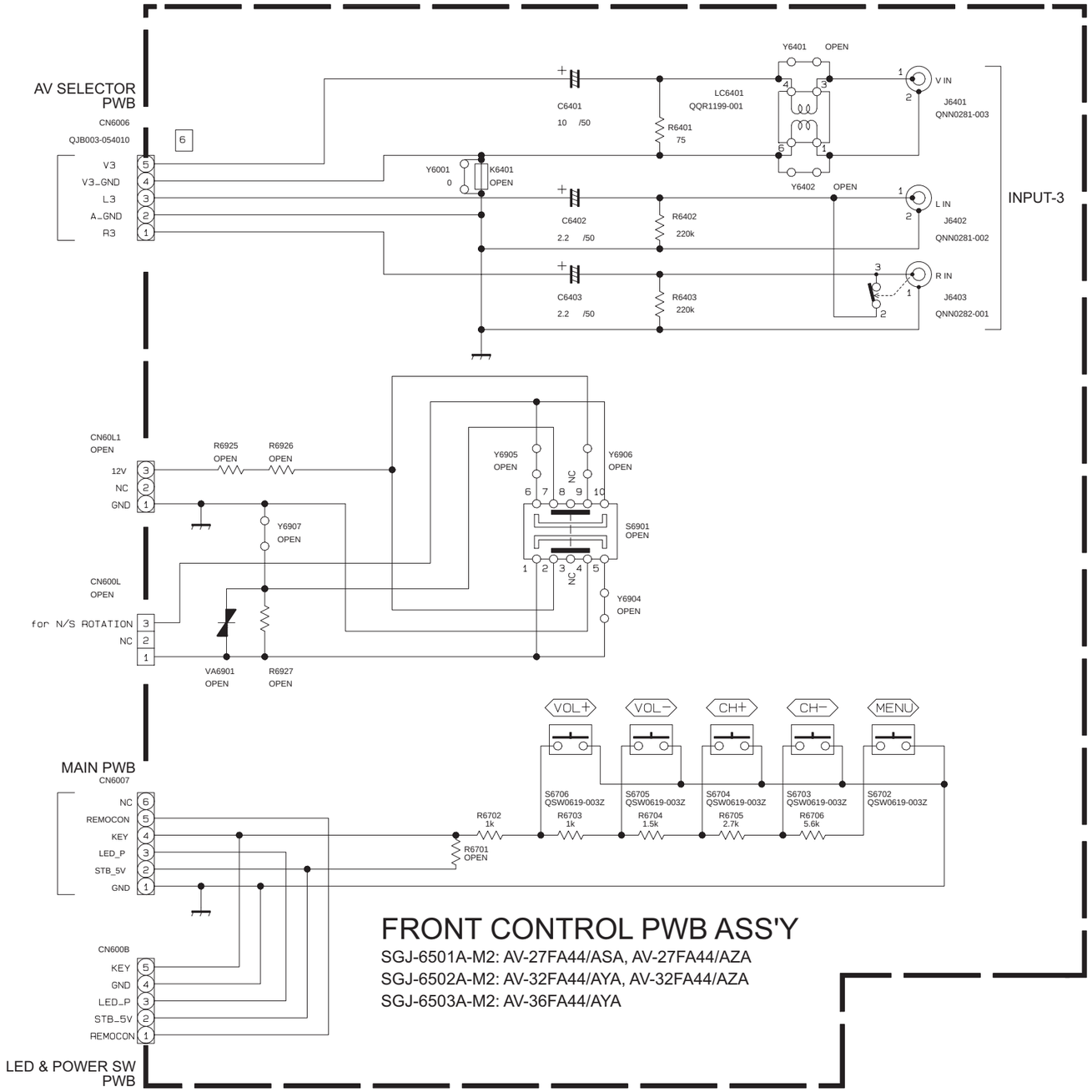
NOTE

BW :	BUS WIRE (0Ω)
X :	NON MOUNT(OPEN)
*1 :	2SC1740S/QR/-T
*2 :	2SA933AS/QR/-T
*3 :	1SS133-T2

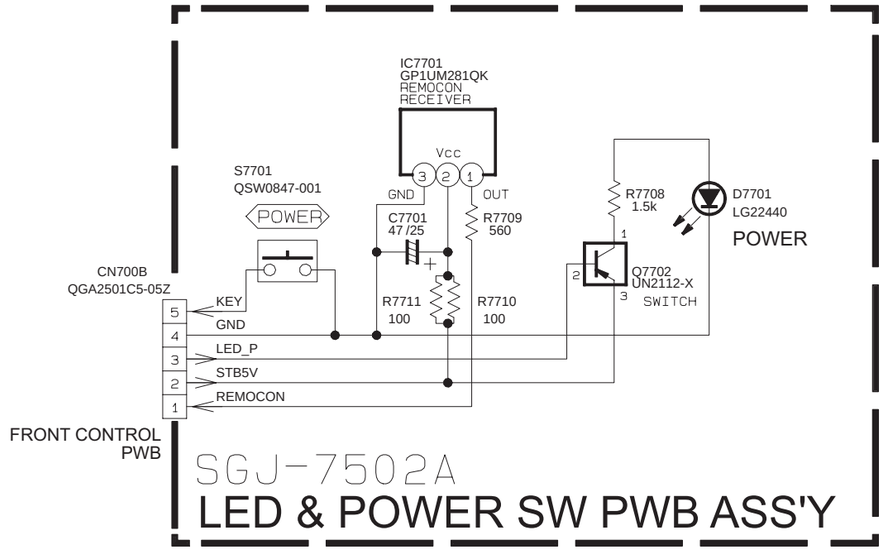
NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

FRONT CONTROL PWB CIRCUIT DIAGRAM SHEET 5



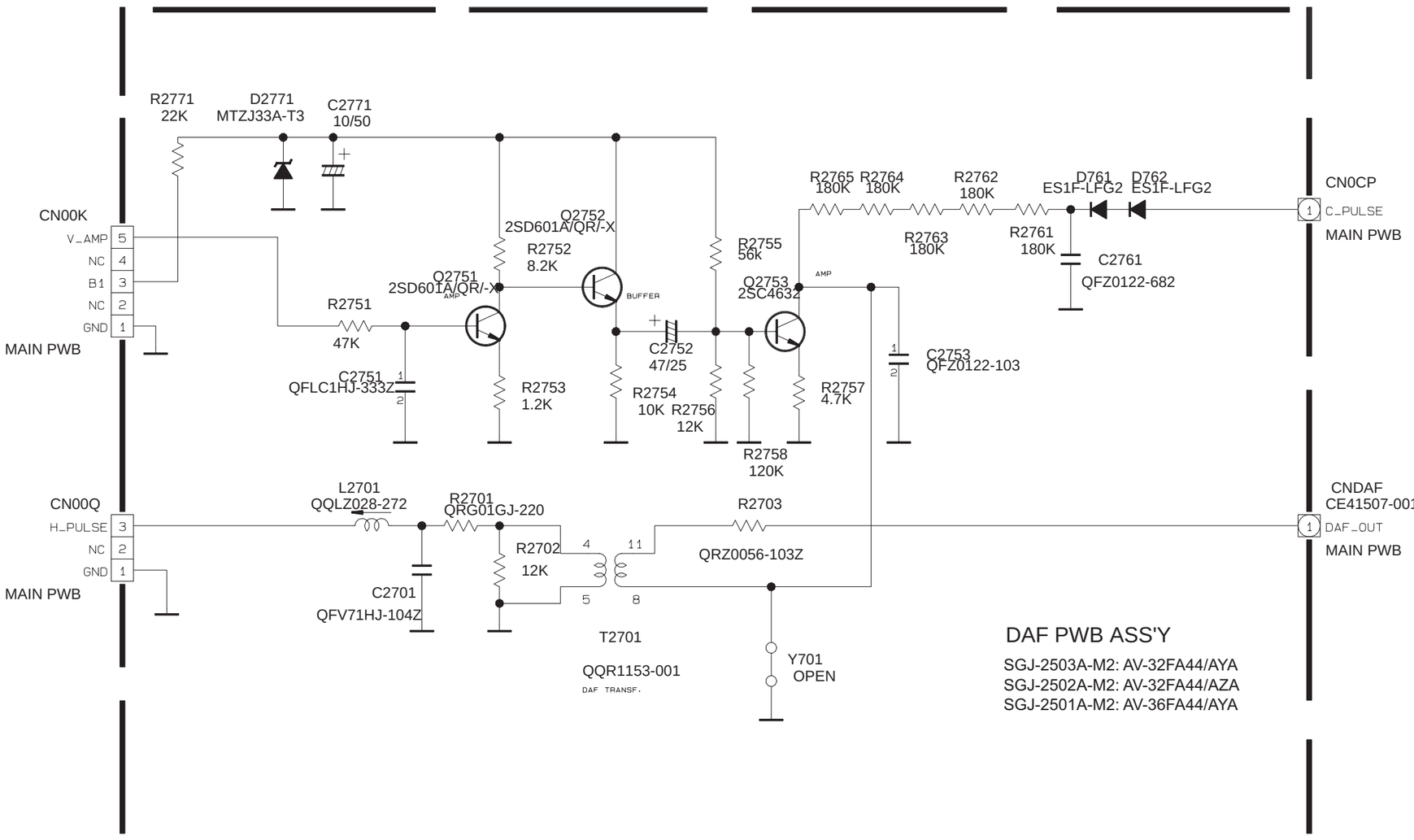
LED & POWER SW PWB CIRCUIT DIAGRAM SHEET 5



NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

- ELECTROLYTIC
- CERAMIC
- MY MYLER
- N NON POLAR

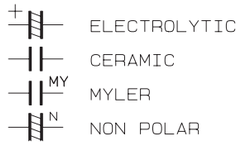
	SGJ2501A	SGJ-2502A	SGJ-2503A
C2701	QFV71HJ-124Z	QFV71HJ-104Z	QFV71HJ-124Z



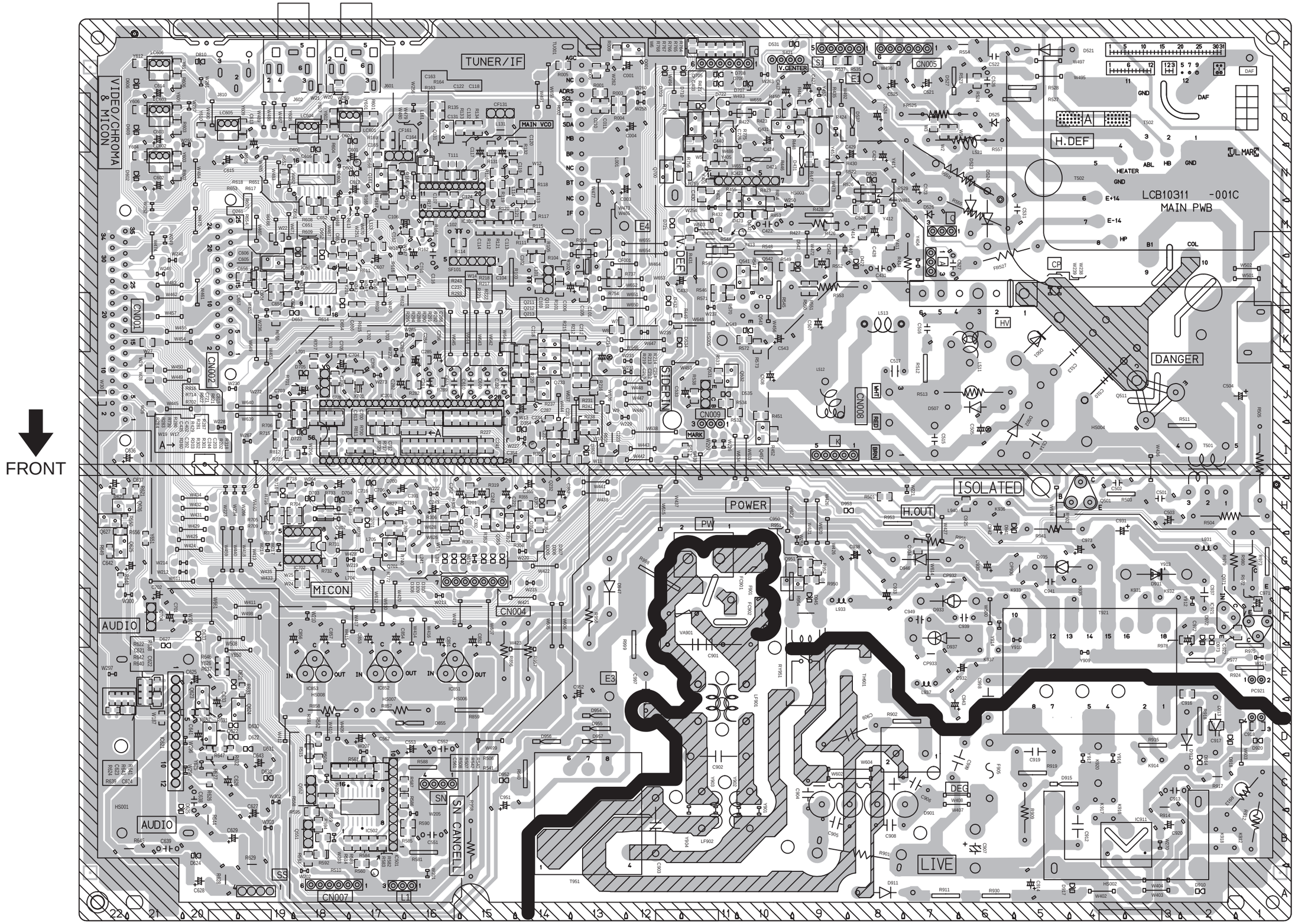
DAF PWB ASS'Y

SGJ-2503A-M2: AV-32FA44/AYA
SGJ-2502A-M2: AV-32FA44/AZA
SGJ-2501A-M2: AV-36FA44/AYA

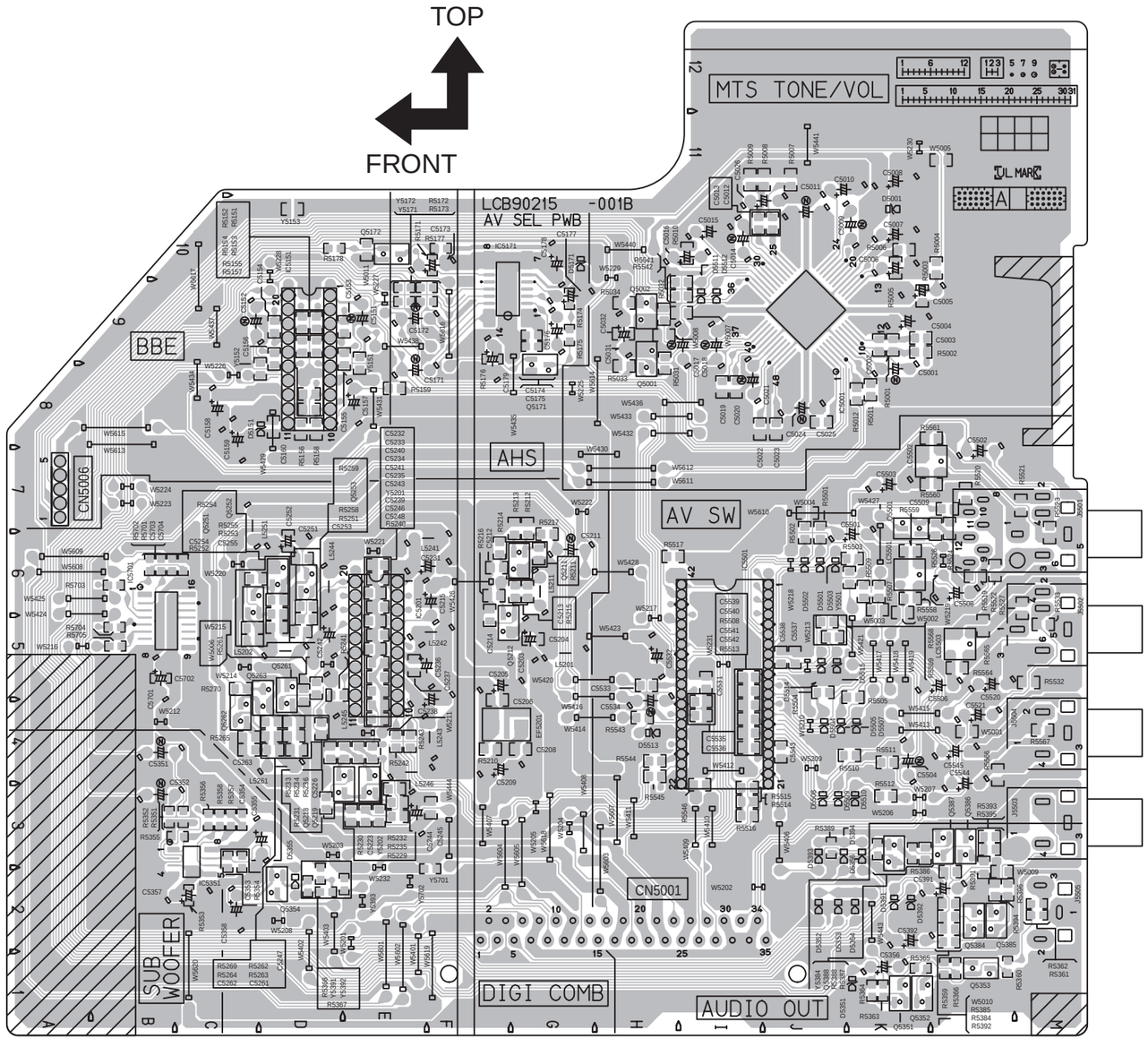
NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.



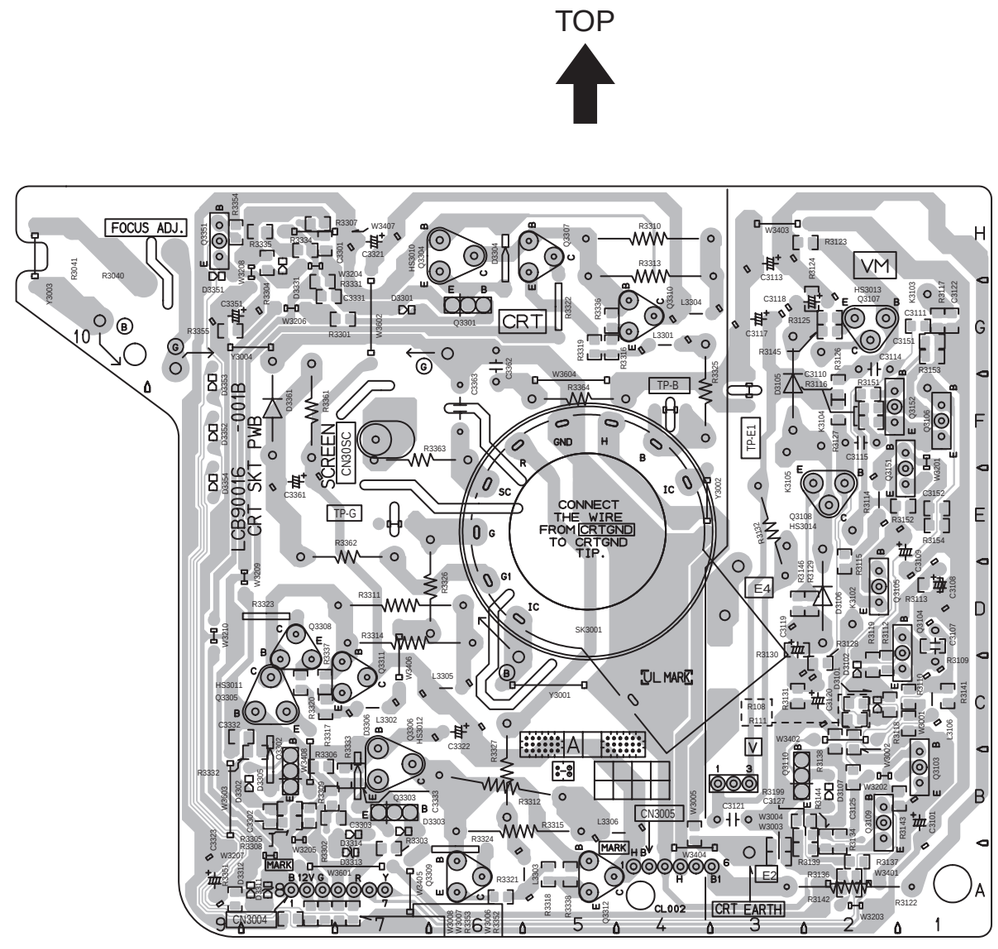
PATTERN DIAGRAMS *MAIN PWB PATTERN*



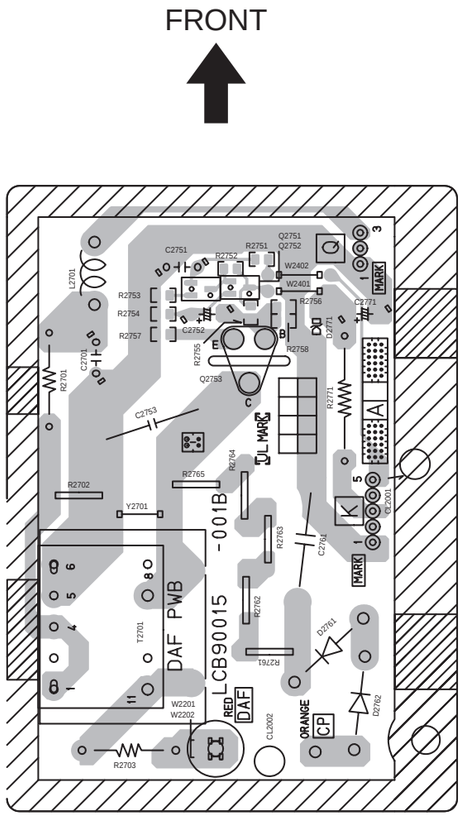
AV SELECTOR PWB PATTERN



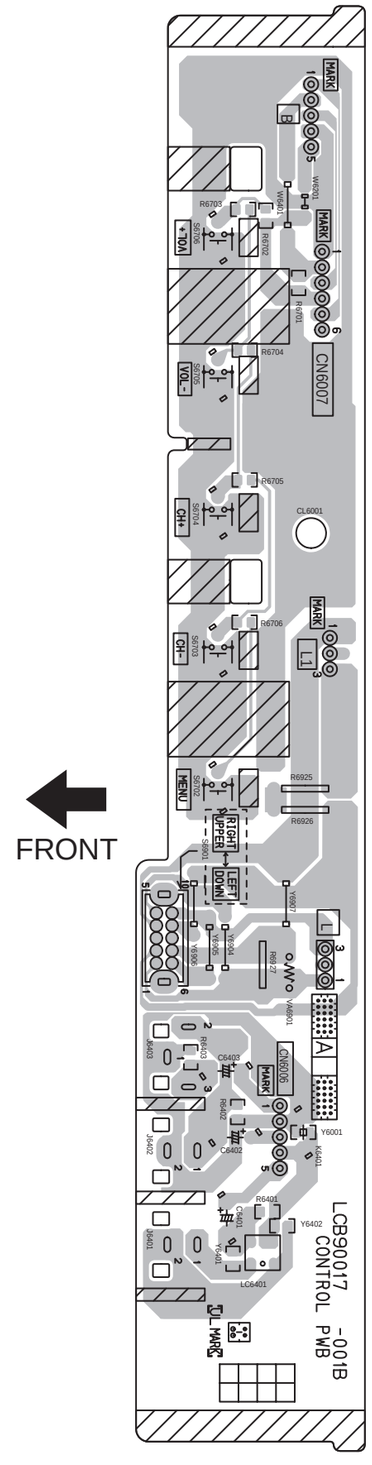
CRT SOCKET PWB PATTERN



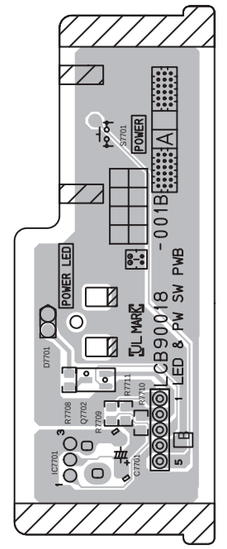
DAF PWB PATTERN



FRONT CONTROL PWB PATTERN



LED & POWER SW PWB PATTERN



FRONT

CHANNEL CHART (US)

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
○	○	VL	02 03 04 05 06		I
		VH	07 08 09 10 11 12 13		II
×	○	MID	A	14	I
			B	15	
			C	16	II
			D	17	
			E	18	
			F	19	
			G	20	
			H	21	
			I	22	
		SUPER	J	23	
			K	24	
			L	25	
			M	26	
			N	27	
			O	28	
			P	29	
			Q	30	
			R	31	
			S	32	
			T	33	
			U	34	
			V	35	
			W	36	
		HYPER	W+1	37	
			W+2	38	
			W+3	39	
			W+4	40	
			W+5	41	
			W+6	42	
			W+7	43	
			W+8	44	
			W+9	45	
			W+10	46	
			W+11	47	
			W+12	48	IV
			W+13	49	
			W+14	50	
			W+15	51	
			W+16	52	
			W+17	53	
			W+18	54	
			W+19	55	
			W+20	56	
			W+21	57	
			W+22	58	
			W+23	59	
			W+24	60	
			W+25	61	
			W+26	62	
			W+27	63	
			W+28	64	
		ULTRA	W+29	65	
			W+30	66	
			W+31	67	
			W+32	68	
			W+33	69	
			W+34	70	

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
×	○	ULTRA	W+35	71	IV
			W+36	72	
			W+37	73	
			W+38	74	
			W+39	75	
			W+40	76	
			W+41	77	
			W+42	78	
			W+43	79	
			W+44	80	
			W+45	81	
			W+46	82	
			W+47	83	
			W+48	84	
			W+49	85	
			W+50	86	
			W+51	87	
			W+52	88	
			W+53	89	
			W+54	90	
			W+55	91	
			W+56	92	
			W+57	93	
			W+58	94	
			W+59	100	
			W+60	101	
			W+61	102	
			W+62	103	
			W+63	104	
			W+64	105	
			W+65	106	
			W+66	107	
			W+67	108	
			W+68	109	
			W+69	110	
			W+70	111	
			W+71	112	
			W+72	113	
			W+73	114	
			W+74	115	
			W+75	116	
			W+76	117	
			W+77	118	
			W+78	119	
			W+79	120	
			W+80	121	
			W+81	122	
			W+82	123	
			W+83	124	
			W+84	125	
		SUB MID	A-8	01	I
			A-4	96	
			A-3	97	II
			A-2	98	
			A-1	99	
○	×	UHF	14 ≀ 69		IV

TOTAL 180CH
{ VHF 124CH
{ UHF 56CH

NOTE:
TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES.
SPECIAL ADAPTERS MAY BE REQUIRED.

CHANNEL CHART (CA)

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
○	○	VL	02 03 04 05 06		I
		VH	07 08 09 10 11 12 13		II
×	○	MID	A	14	II
			B	15	
			C	16	
			D	17	
			E	18	
			F	19	
			G	20	
			H	21	
			I	22	
		SUPER	J	23	
			K	24	
			L	25	
			M	26	
			N	27	
			O	28	
			P	29	III
			Q	30	
			R	31	
			S	32	
			T	33	
			U	34	
			V	35	
			W	36	
		HYPER	W+1	37	
			W+2	38	
			W+3	39	
			W+4	40	
			W+5	41	
			W+6	42	
			W+7	43	
			W+8	44	
			W+9	45	
			W+10	46	
			W+11	47	
			W+12	48	
			W+13	49	
			W+14	50	
			W+15	51	
			W+16	52	
			W+17	53	
			W+18	54	
			W+19	55	
			W+20	56	
			W+21	57	
			W+22	58	
			W+23	59	
			W+24	60	
			W+25	61	
			W+26	62	
			W+27	63	
			W+28	64	
		ULTRA	W+29	65	
			W+30	66	IV
			W+31	67	
			W+32	68	
			W+33	69	
			W+34	70	

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
×	○	ULTRA	W+35	71	IV
			W+36	72	
			W+37	73	
			W+38	74	
			W+39	75	
			W+40	76	
			W+41	77	
			W+42	78	
			W+43	79	
			W+44	80	
			W+45	81	
			W+46	82	
			W+47	83	
			W+48	84	
			W+49	85	
			W+50	86	
			W+51	87	
			W+52	88	
			W+53	89	
			W+54	90	
			W+55	91	
			W+56	92	
			W+57	93	
			W+58	94	
			W+59	100	
			W+60	101	
			W+61	102	
			W+62	103	
			W+63	104	
			W+64	105	
			W+65	106	
			W+66	107	
			W+67	108	
			W+68	109	
			W+69	110	
			W+70	111	
			W+71	112	
			W+72	113	
			W+73	114	
			W+74	115	
			W+75	116	
			W+76	117	
			W+77	118	
			W+78	119	
			W+79	120	
			W+80	121	
			W+81	122	
			W+82	123	
			W+83	124	
			W+84	125	
		SUB MID	A-8	01	I
			A-4	96	
			A-3	97	II
			A-2	98	
			A-1	99	
○	×	UHF	14 ≀ 69		IV

TOTAL 180CH
{ VHF 124CH
{ UHF 56CH

NOTE:
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(No.52114)

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WPC

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS	
CR	Carbon Resistor
FR	Fusible Resistor
PR	Plate Resistor
VR	Variable Resistor
HV R	High Voltage Resistor
MF R	Metal Film Resistor
MG R	Metal Glazed Resistor
MP R	Metal Plate Resistor
OM R	Metal Oxide Film Resistor
CMF R	Coating Metal Film Resistor
UNF R	Non-Flammable Resistor
CH V R	Chip Variable Resistor
CH MG R	Chip Metal Glazed Resistor
COMP. R	Composition Resistor
LPTC R	Linear Positive Temperature Coefficient Resistor

CAPACITORS	
C CAP.	Ceramic Capacitor
E CAP.	Electrolytic Capacitor
M CAP.	Mylar Capacitor
CH CAP.	Chip Capacitor
HV CAP.	High Voltage Capacitor
MF CAP.	Metalized Film Capacitor
MM CAP.	Metalized Mylar Capacitor
MP CAP.	Metalized Polystyrol Capacitor
PP CAP.	Polypropylene Capacitor
PS CAP.	Polystyrol Capacitor
TF CAP.	Thin Film Capacitor
MPP CAP.	Metalized Polypropylene Capacitor
TAN. CAP.	Tantalum Capacitor
CH C CAP.	Chip Ceramic Capacitor
BP E CAP.	Bi-Polar Electrolytic Capacitor
CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

CONTENTS

USING P.W. BOARD & REMOTE CONTROL UNIT 3-3
EXPLODED VIEW PARTS LIST -1 3-3
EXPLODED VIEW -1 3-3
EXPLODED VIEW PARTS LIST -2 3-4
EXPLODED VIEW -2 3-5
PRINTED WIRING BOARD PARTS LIST [AV-27FA44 /ASA] 3-6
MAIN P.W. BOARD ASS'Y (SGJ-1508A-M2) 3-6
CRT SOCKET P.W. BOARD ASS'Y (SGJ-3502A-M2) 3-9
AV SELECTOR P.W. BOARD ASS'Y (SGJ-5502A-M2) 3-10
FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6501A-M2) 3-11
LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2) 3-11
PRINTED WIRING BOARD PARTS LIST [AV-27FA44 /AZA] 3-12
MAIN P.W. BOARD ASS'Y (SGJ-1509A-M2) 3-12
CRT SOCKET P.W. BOARD ASS'Y (SGJ-3506A-M2) 3-15
AV SELECTOR P.W. BOARD ASS'Y (SGJ-5502A-M2) 3-16
FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6501A-M2) 3-16
LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2) 3-16
PRINTED WIRING BOARD PARTS LIST [AV-32FA44 /AYA] 3-17
MAIN P.W. BOARD ASS'Y (SGJ-1506A-M2) 3-17
DAF P.W. BOARD ASS'Y (SGJ-2503A-M2) 3-20
CRT SOCKET P.W. BOARD ASS'Y (SGJ-3504A-M2) 3-20
AV SELECTOR P.W. BOARD ASS'Y (SGJ-5502A-M2) 3-21
FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6502A-M2) 3-21
LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2) 3-21
PRINTED WIRING BOARD PARTS LIST [AV-36FA44 /AYA] 3-22
MAIN P.W. BOARD ASS'Y (SGJ-1510A-M2) 3-22
DAF P.W. BOARD ASS'Y (SGJ-2502A-M2) 3-25
CRT SOCKET P.W. BOARD ASS'Y (SGJ-3503A-M2) 3-25
AV SELECTOR P.W. BOARD ASS'Y (SGJ-5502A-M2) 3-26
FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6502A-M2) 3-26
LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2) 3-26
PRINTED WIRING BOARD PARTS LIST [AV-36FA44 /AYA] 3-27
MAIN P.W. BOARD ASS'Y (SGJ-1507A-M2) 3-27
DAF P.W. BOARD ASS'Y (SGJ-2501A-M2) 3-30
CRT SOCKET P.W. BOARD ASS'Y (SGJ-3501A-M2) 3-30
AV SELECTOR P.W. BOARD ASS'Y (SGJ-5502A-M2) 3-31
FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6503A-M2) 3-31
LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2) 3-31
REMOTE CONTROL UNIT PARTS LIST (RM-C1252G-1H) 3-32
PACKING 3-33
PACKING PARTS LIST 3-33

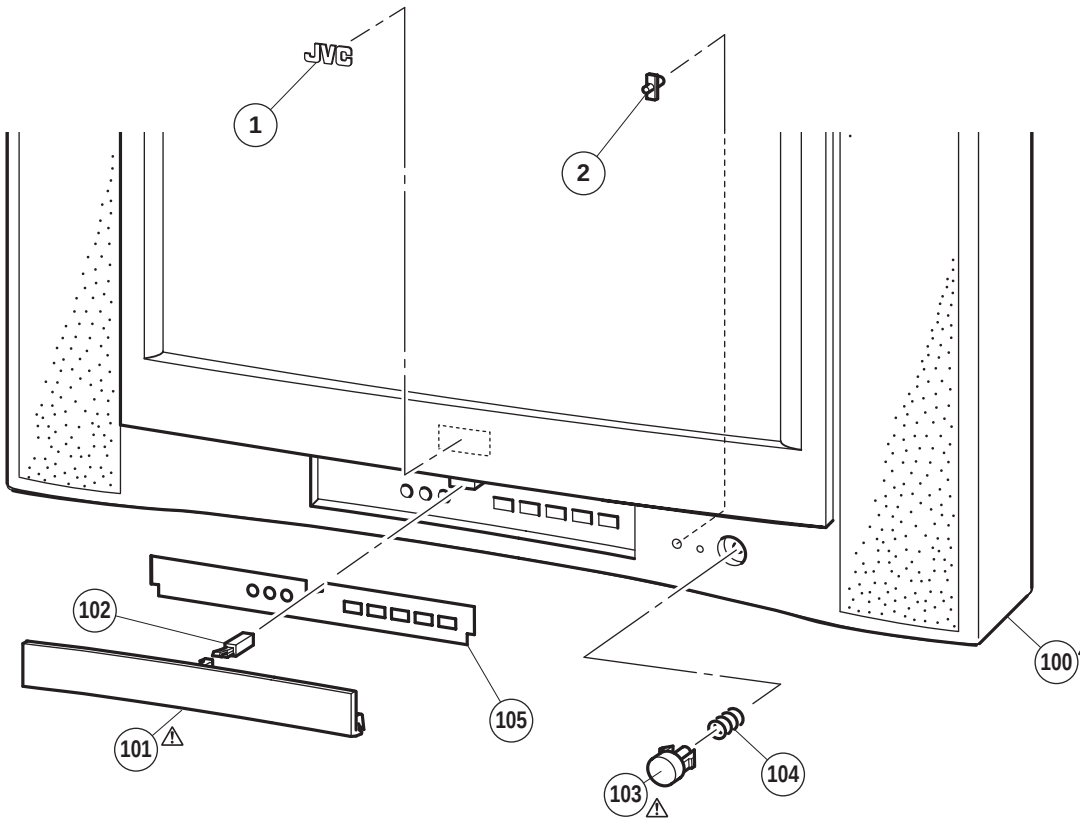
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y	AV-27FA44/ASA	AV-27FA44/AZA	AV-32FA44/AYA	AV-32FA44/AZA	AV-36FA44/AYA
MAIN P.W.B	SGJ-1508A-M2	SGJ-1509A-M2	SGJ-1506A-M2	SGJ-1510A-M2	SGJ-1507A-M2
DAF P.W.B	-	-	SGJ-2503A-M2	SGJ-2502A-M2	SGJ-2501A-M2
CRT SOCKET P.W.B	SGJ-3502A-M2	SGJ-3506A-M2	SGJ-3504A-M2	SGJ-3503A-M2	SGJ-3501A-M2
AV SELECTOR P.W.B	SGJ-5502A-M2	←	←	←	←
FRONT CONTROL P.W.B	SGJ-6501A-M2	←	SGJ-6502A-M2	←	SGJ-6503A-M2
LED&POWER SW P.W.B	SGJ-7502A-M2	←	←	←	←
REMOTE CONTROL UNIT	RM-C1251G-1H	←	←	←	←

EXPLODED VIEW PARTS LIST -1

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	LC41193-003A-C	JVC MARK		
	2	LC32242-001A-A	RC LENS		
⚠	100	LC11556-001B-A	FRONT CABI ASSY	Inc. No.101-105	AV-27FA44/ASA,AV-27FA44/AZA
⚠	100	LC11531-001B-A	FRONT CABI ASSY	Inc. No.101-105	AV-32FA44/AYA,AV-32FA44/AZA
⚠	100	LC11557-001B-A	FRONT CABI ASSY	Inc. No.101-105	AV-36FA44/AYA
⚠	101	LC21239-001C-A	DOOR		
	102	CM48229-00A-C	DOOR LATCH		
⚠	103	LC32240-001A-A	POWER KNOB		
	104	CM36481-002A-A	SPRING		
	105	LC32241-001B-A	OPERATION SHEET		AV-27FA44/ASA,AV-27FA44/AZA,AV-32FA44/AYA,AV-32FA44/AZA
	105	LC32241-001A-A	OPERATION SHEET		AV-36FA44/AYA

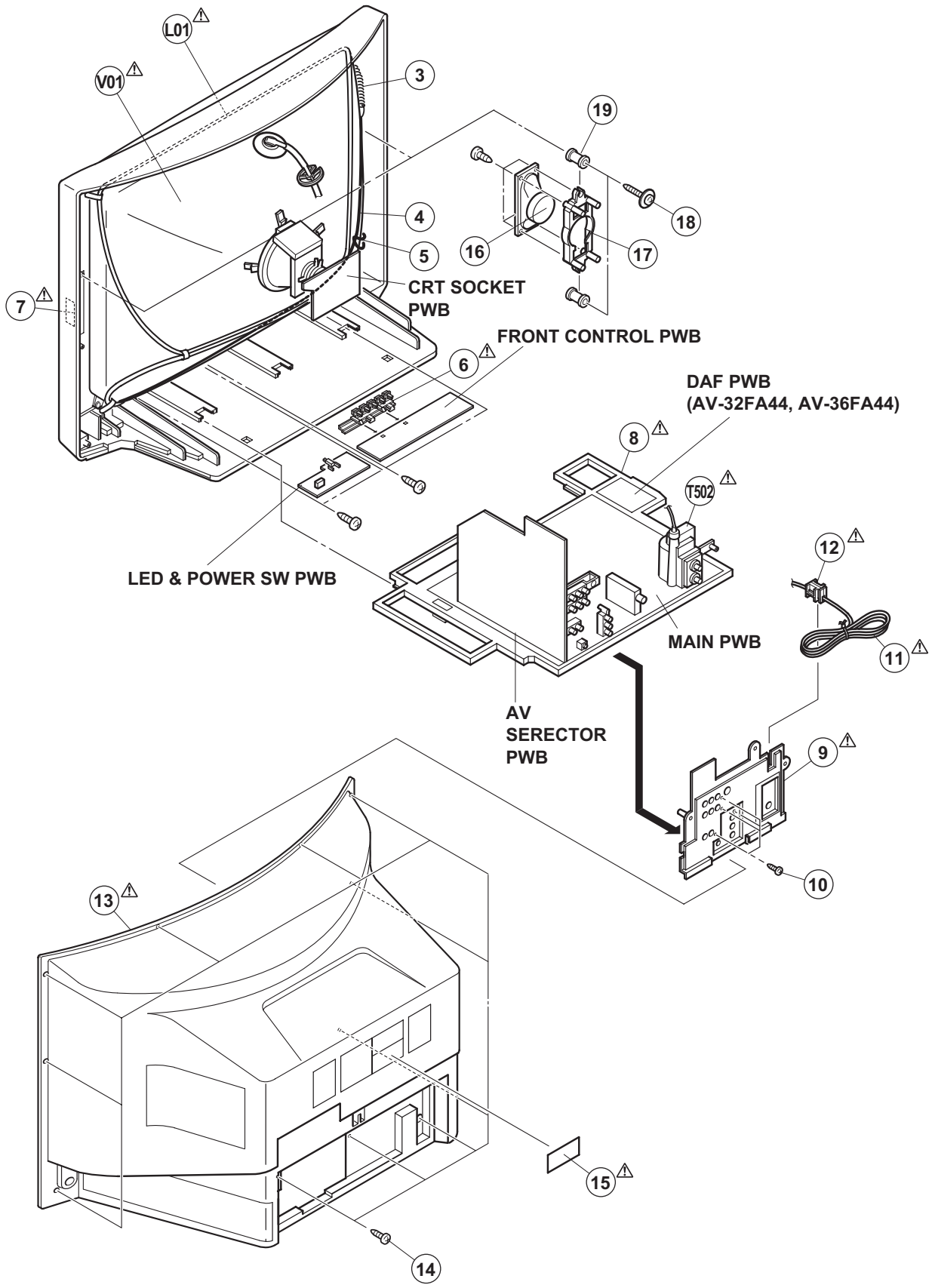
EXPLODED VIEW -1



EXPLODED VIEW PARTS LIST -2

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	V01	A68QCP893X003	ITC	Inc. DY, PC MAGNET, WEDGE	AV-27FA44/ASA
⚠	V01	A68QCU754X62N	ITC	Inc. DY, PC MAGNET, WEDGE	AV-27FA44/AZA
⚠	V01	A80AJZ90X03	ITC	Inc. DY, PC MAGNET, WEDGE	AV-32FA44/AYA
⚠	V01	A80ERF042X17	ITC	Inc. DY, PC MAGNET, WEDGE	AV-32FA44/AZA
⚠	V01	A90AJZ90X02	ITC	Inc. DY, PC MAGNET, WEDGE	AV-36FA44/AYA
⚠	L01	QQW0090-001	DEG COIL		AV-27FA44/ASA,AV-27FA44/AZA
⚠	L01	QQW0107-001	DEG COIL		AV-32FA44/AYA
⚠	L01	QQW0176-001	DEG COIL		AV-32FA44/AZA
⚠	L01	QQW0122-001	DEG COIL		AV-36FA44/AYA
⚠	T502	QQH0121-001	FB TRANSF		AV-27FA44/ASA
⚠	T502	QQH0152-001	FB TRANSF		AV-27FA44/AZA
⚠	T502	QQH0125-001	FB TRANSF		AV-32FA44/AYA,AV-36FA44/AYA
⚠	T502	QQH0140-001	FB TRANSF		AV-32FA44/AZA
	3	A48457-4-S	SPRING		
	4	WJY0016-001A	BRAIDED ASSY		AV-27FA44/ASA,AV-27FA44/AZA
	4	WJY0016-002A	BRAIDED ASSY		AV-32FA44/AYA,AV32FA44/AZA
	4	WJY0016-003A	BRAIDED ASSY		AV-36FA44/AYA
	5	WJY0013-003A	E-BRAIDED ASSY		AV-27FA44/ASA,AV-27FA44/AZA,AV-32FA44/AYA,AV32FA44/AZA
	5	WJY0013-002A	E-BRAIDED ASSY	(x2)	AV-36FA44/AYA
	6	LC21260-001B-A	CONTROL KNOB		
⚠	7	GQ30034-001B-A	WARNING LABEL		
⚠	8	LC10883-001C-A	CHASSIS BASE		
⚠	9	LC20899-004A-A	TERMINAL BOARD		
	10	QYSBSB3010Z	TAP SCREW	3.0mm x 10mm(x4)	
⚠	11	QMPD390-200-JS	POWER CORD(US/CA)	2m BLACK	
⚠	12	LC20106-001D-A	POWER CORD CLAM		
⚠	13	LC11555-001A-A	REAR COVER		AV-27FA44/ASA,AV-27FA44/AZA
⚠	13	LC11533-001A-A	REAR COVER		AV-32FA44/AYA,AV32FA44/AZA
⚠	13	LC11559-001A-A	REAR COVER		AV-36FA44/AYA
	14	QYSBSFG4016Z	TAP SCREW	4mm x 16mm(x11)	
⚠	15	GQ30032-001A-A	RATING LABEL		
	16	QAS0131-001	SPEAKER	SP01, SP02(x2)	
	17	LC21261-001A-A	SP HOLDER	(x2)	
	18	LC41029-001A-A	TAPPING SCREW	(x4)	
	19	LC40226-002A-A	SPACER	(x4)	

EXPLODED VIEW -2



PRINTED WIRING BOARD PARTS LIST [AV-27FA44 /ASA]

MAIN P.W. BOARD ASS'Y (SGJ-1508A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC101	M52342SP	IC		
IC201	TM8812CSDNG4RR3	IC(MCU)		
IC421	LA7841	IC		
IC502	CXA1875AM-X	IC		
IC621	AN5277	IC		
IC702	AT24C04W-32FA44	IC	(SERVICE)	
IC703	S-80840CNY-T	IC		
IC704	AN78L05-T	IC		
IC851	AN7812F	IC		
IC852	AN7809F	IC		
IC853	AN7805F	IC		
⚠IC911	STR-F6626/F3	IC		
⚠IC921	SE135N	IC		
Q001	UN2212-X	DIGI TRANSISTOR		
Q101	2SC5083/L-P/-T	TRANSISTOR		
Q131	2SB709A/QR/-X	TRANSISTOR		
Q161	2SD601A/QR/-X	TRANSISTOR		
Q211	2SD601A/QR/-X	TRANSISTOR		
Q232	2SD601A/QR/-X	TRANSISTOR		
Q233	2SD601A/QR/-X	TRANSISTOR		
Q352	2SD601A/QR/-X	TRANSISTOR		
Q353	2SD601A/QR/-X	TRANSISTOR		
Q431	UN2212-X	DIGI TRANSISTOR		
Q501	2SC4212/Z1/	TRANSISTOR		
⚠Q511	2SD2645-YD	TRANSISTOR	H OUT	
Q531	2SC2785/JH/-T	SI TRANSISTOR		
Q532	2SB709A/QR/-X	TRANSISTOR		
Q541	2SB709A/QR/-X	TRANSISTOR		
Q542	2SB709A/QR/-X	TRANSISTOR		
Q543	2SD1408/OY/-LB	POW TRANSISTOR		
Q622	2SD601A/QR/-X	TRANSISTOR		
Q623	UN2212-X	DIGI TRANSISTOR		
Q624	2SB709A/QR/-X	TRANSISTOR		
Q625	2SB709A/QR/-X	TRANSISTOR		
Q626	2SD601A/QR/-X	TRANSISTOR		
Q627	2SD601A/QR/-X	TRANSISTOR		
Q701	2SB709A/QR/-X	TRANSISTOR		
Q951	2SD1383K/AB/-X	TRANSISTOR		
Q971	2SA1208/ST/Z1-T	TRANSISTOR		
D305	1SS133-T2	DIODE		
D306	1SS133-T2	DIODE		
D307	1SS133-T2	DIODE		
D308	1SS133-T2	DIODE		
D309	1SS133-T2	DIODE		
D310	1SS133-T2	DIODE		
D352	MTZJ9.1C-T2	Z DIODE		
D353	1SS133-T2	DIODE		
D354	MTZJ3.3A-T2	Z DIODE		
D421	1N4003-T2	SI DIODE		
D422	MTZJ75-T2	Z DIODE		
D432	1SS133-T2	DIODE		
D501	RH3G-F1	SI DIODE		
D502	RU3AM-LFC4	SI DIODE		
D507	RGP10J-5025-T3	SI DIODE		
D521	RH1S-T3	SI DIODE		
D523	RGP10J-5025-T3	SI DIODE		
D525	1SS81-T5	SI DIODE		
D526	1SS81-T5	SI DIODE		
D527	1SR124-400A-T2	SI DIODE		
D529	MTZJ9.1C-T2	Z DIODE		
⚠D531	MA4068N/Z1/-T2	Z DIODE		
D535	1SS133-T2	DIODE		
D537	1SR35-400A-T2	SI DIODE		
D601	MTZJ9.1C-T2	Z DIODE		
D602	MTZJ9.1C-T2	Z DIODE		
D603	MTZJ9.1C-T2	Z DIODE		
D621	1SS133-T2	DIODE		
D622	1SS133-T2	DIODE		
D627	1SS133-T2	DIODE		
D630	1SS133-T2	DIODE		
D631	1SS133-T2	DIODE		
D632	1SS133-T2	DIODE		
D700	MTZJ5.6B-T2	Z DIODE		
D701	1SS133-T2	DIODE		
D703	MTZJ5.6B-T2	Z DIODE		
D704	MTZJ5.6B-T2	Z DIODE		
D705	1SS133-T2	DIODE		
D706	MTZJ5.6B-T2	Z DIODE		
D707	MTZJ5.6B-T2	Z DIODE		
D708	MTZJ5.6B-T2	Z DIODE		
D709	MTZJ5.6B-T2	Z DIODE		
D723	MTZJ5.6B-T2	Z DIODE		
D810	MTZJ5.6B-T2	Z DIODE		
⚠D901	GSIB460-S1	BRIDGE DIODE		
D910	MA700A-T2	SB DIODE		
D911	RGP10J-5025-T3	SI DIODE		
D912	RGP10J-5025-T3	SI DIODE		
D913	RGP10J-5025-T3	SI DIODE		
D914	1SS133-T2	DIODE		
D915	SARS01-T2	SI DIODE		
D917	MTZJ30A-T2	Z DIODE		
D918	MTZJ5.1C-T2	Z DIODE		
D920	1SS133-T2	DIODE		
D931	RU30A-F1	SI DIODE		
D933	RU3YX-LFC4	SI DIODE		
D935	RU3YX-LFC4	SI DIODE		
D937	RU3YX-LFC4	SI DIODE		
D941	MTZJ33A-T2	Z DIODE		
D945	MTZJ9.1B-T2	Z DIODE		
D952	1SS133-T2	DIODE		
D953	1SS133-T2	DIODE		
D954	1SR35-400A-T2	SI DIODE		
D955	1SR35-400A-T2	SI DIODE		
D956	1SR35-400A-T2	SI DIODE		
D957	1SR35-400A-T2	SI DIODE		
D972	MTZJ15C-T2	Z DIODE		
D973	1SS133-T2	DIODE		
⚠PC921	TLP421F/D4-GR/	PHOTO COUPLER		
C001	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C003	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C004	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C006	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C106	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C113	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C116	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C117	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C118	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C119	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C120	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C131	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C161	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C163	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C164	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C165	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C202	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C203	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C211	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	
C212	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C221	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C222	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C223	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C233	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C237	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C241	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C242	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C243	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C244	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C281	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C282	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C283	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C284	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C285	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C286	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C287	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C288	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C302	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C352	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C391	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C392	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C422	QFN32AK-102Z	M CAPACITOR	1000pF 100V K	
C424	QETN1VM-107Z	E CAPACITOR	100uF 35V M	
C425	QETN1VM-477Z	E CAPACITOR	470uF 35V M	
C427	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C428	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C431	QFLC2AK-563Z	M CAPACITOR	0.056uF 100V K	
C432	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C433	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C435	NCB21HK-183X	C CAPACITOR	0.018uF 50V K	
C440	QCS32HJ-100Z	C CAPACITOR	10pF 500V J	
C501	QCB32HK-151Z	C CAPACITOR	150pF 500V K	
C502	QCB32HK-331Z	C CAPACITOR	330pF 500V K	
C503	QEHR2CM-105Z	E CAPACITOR	1uF 160V M	
C504	QEZ0203-107	E CAPACITOR	100uF 160V M	
C505	QENC2AM-225Z	BP E CAPACITOR	2.2uF 100V M	
C507	QEM61HK-475Z	E CAPACITOR	4.7uF 50V K	
C508	QEM61HK-475Z	E CAPACITOR	4.7uF 50V K	
⚠C510	QFZ0200-582	MPP CAPACITOR	5800pF 1.5kV H	
⚠C513	QFZ0196-113	MPP CAPACITOR	0.011uF 1.5kV H	
C514	QFP32GJ-183	PP CAPACITOR	0.018uF 400V J	
C515	QFZ0199-404	MPP CAPACITOR	0.4uF 250V J	
C516	QCB32HK-561Z	C CAPACITOR	560pF 500V K	
C521	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C523	QEHR1VM-108Z	E CAPACITOR	1000uF 35V M	
C525	QETN1VM-107Z	E CAPACITOR	100uF 35V M	
C526	QFV21HJ-824Z	MF CAPACITOR	0.82uF 50V J	
C527	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J	
C533	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C561	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C562	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C601	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C602	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C603	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C609	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C610	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C611	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C621	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C622	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	
C623	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C624	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	
C625	QETN1VM-107Z	E CAPACITOR	100uF 35V M	
C626	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	
C627	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C628	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C629	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C633	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C636	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C637	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C638	QFV71HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C639	QFV71HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C641	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C642	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C643	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C700	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C701	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C702	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C703	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C704	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C706	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C708	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C709	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C711	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C716	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C728	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C807	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C813	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C851	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C852	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C853	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C854	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C856	QEHR1CM-227Z	E CAPACITOR	220uF 16V M	
C857	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
⚠C901	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	
⚠C902	QFZ9072-473	MM CAPACITOR	0.047uF AC250V K	
⚠C903	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	
⚠C904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
⚠C905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
⚠C906	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
C907	QEZ0644-567	E CAPACITOR	560uF 200V K	
⚠C908	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
C912	QCZ0340-222	C CAPACITOR	2200pF 2kV K	
C913	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J	
C914	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C916	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C917	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C918	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C919	QFP32GJ-103	PP CAPACITOR	0.01uF 400V J	
C931	QEZ0203-227	E CAPACITOR	220uF 160V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C932	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C933	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C934	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C935	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	
C937	QCZ0340-102	C CAPACITOR	1000pF 2kV K	
C938	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C939	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C941	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	
C942	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C943	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C951	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C952	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C971	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C972	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C973	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
⚠C997	QCZ9052-102	C CAPACITOR	1000pF AC125V M	
⚠C998	QCZ9074-103	C CAPACITOR	0.01uF AC250V M	
⚠C999	QCZ9074-103	C CAPACITOR	0.01uF AC250V M	
R002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R008	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R009	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R101	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R103	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J	
R105	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R111	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R117	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R118	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R132	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R133	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R134	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R161	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R162	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R163	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R164	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R167	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R169	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R171	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R212	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R215	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R222	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R231	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R237	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R238	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R241	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R243	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R281	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R282	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R283	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R286	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R287	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R288	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J	
R289	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R290	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J	
R292	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R293	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R301	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R302	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R303	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R318	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R319	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R352	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R354	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R355	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R356	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R358	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description Local
R359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R360	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
R421	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R423	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R424	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R426	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R427	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J
R429	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R430	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R431	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R432	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R433	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R434	QRL029J-181	OMF RESISTOR	180Ω 2W J
R435	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J
R441	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R447	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R449	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R453	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J
R501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R502	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R503	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R504	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J
R505	QRL039J-182	OMF RESISTOR	1.8kΩ 3W J
R506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R509	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R511	QRE121J-220Y	C RESISTOR	22Ω 1/2W J
R512	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
R513	QRL039J-273	OMF RESISTOR	27kΩ 3W J
R515	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R516	QRZ0221-2R0	OMF RESISTOR	2Ω 7W K
R524	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R526	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R527	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J
R528	QRE121J-154Y	C RESISTOR	150kΩ 1/2W J
R529	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
⚠R531	QRJ146J-391X	UNF C RESISTOR	390Ω 1/4W J
R532	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R533	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R534	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
⚠R535	NRVA02D-222X	CMF RESISTOR	2.2kΩ 1/10W D
⚠R537	NRZ0032-7151X	CMF RESISTOR	7.15kΩ
R538	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R541	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R543	QRE121J-122Y	C RESISTOR	1.2kΩ 1/2W J
R544	QRE121J-392Y	C RESISTOR	3.9kΩ 1/2W J
R545	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J
R546	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R547	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R548	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J
R553	QRL039J-390	OMF RESISTOR	39Ω 3W J
⚠R554	QRK126J-150X	UNF C RESISTOR	15Ω 1/2W J
R555	QRX029J-3R3	MF RESISTOR	3.3Ω 2W J
R561	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R562	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R601	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R602	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R603	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R610	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R611	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R612	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R621	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R622	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R623	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R624	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R626	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R627	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R628	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R629	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R631	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R632	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R633	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R637	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R638	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R639	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R640	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R644	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R645	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R647	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R648	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R650	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R651	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R652	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R653	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R656	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R657	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R700	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R701	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R718	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R728	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R739	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R740	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R764	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R766	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R767	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R769	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R811	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R812	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R816	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R821	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J
R822	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R827	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R857	QRL029J-820	OMF RESISTOR	82Ω 2W J
R901	QRF074K-1R2	UNF WW RESISTOR	1.2Ω 7W K
R909	QRG01GJ-470	OMF RESISTOR	47Ω 1W J
R911	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R912	QRT029J-R18	MF RESISTOR	0.18Ω 2W J
R913	QRT029J-R15	MF RESISTOR	0.15Ω 2W J
⚠R914	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J
⚠R915	QRK129J-6R8	UNF C RESISTOR	6.8Ω 1/2W J
⚠R917	QRK126J-332X	UNF C RESISTOR	3.3kΩ 1/2W J
R918	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R919	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J
R924	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R930	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R939	QRT039J-1R5	MF RESISTOR	1.5Ω 3W J
R940	QRE121J-181Y	C RESISTOR	180Ω 1/2W J
R941	QRL029J-183	OMF RESISTOR	18kΩ 2W J
R950	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R951	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R952	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R953	QRE121J-820Y	C RESISTOR	82Ω 1/2W J
R973	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R975	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R977	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R978	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R979	QRT029J-1R0	MF RESISTOR	1Ω 2W J
R980	QRT029J-1R0	MF RESISTOR	1Ω 2W J
⚠R998	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K
R999	QRE121J-121Y	C RESISTOR	120Ω 1/2W J
L001	QQL244K-560Z	COIL	56uH K
L101	QQLZ014-R22	COIL	0.22uH 100mA L
L113	QQL244K-4R7Z	COIL	4.7uH K
L131	QQL244K-150Z	COIL	15uH K
L161	QQL244K-220Z	COIL	22uH K
L232	QQL244K-560Z	COIL	56uH K
L241	QQL244K-220Z	COIL	22uH K
L391	QQL244K-220Z	COIL	22uH K
L511	QQR1165-001	LINEARITY COIL	
L512	QQLZ036-821	COIL	820uH K
L521	QQR1333-001	CHOKE COIL	
L701	QQL244K-220Z	COIL	22uH K
L702	QQL244K-220Z	COIL	22uH K
L703	QQL244K-220Z	COIL	22uH K
L704	QQL244K-220Z	COIL	22uH K
L705	QQL244K-220Z	COIL	22uH K
L931	QQL26AK-470Z	COIL	47uH K
L933	QQL26AK-470Z	COIL	47uH K
L937	QQL26AK-470Z	COIL	47uH K
L940	QQR0582-001Z	FERRITE BEADS	
T111	QQR0907-001	IFT	
T501	CE42034-002	HOR DRIVE TRANS	
⚠T921	QQS0225-001	SW TRANSF	
⚠T951	QQT0372-001	POWER TRANSF	

⚠Ref No.	Part No.	Part Name	Description Local
CF001	QAX0349-001	C TRAP	47.25MHz
CF131	QAX0639-001Z	C TRAP	4.500MHz
CF161	QAX0642-001Z	C FILTER	4.500MHz
CN001	QGB1505J1-35	CONNECTOR	B-B (1-35)
CN004	QGA2501C5-07Z	CONNECTOR	W-B (1-7)
CN005	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
CN007	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
CN00C	QGA2501F1-06	CONNECTOR	W-B (1-6)
CN0B1	QGA2501C5-03Z	CONNECTOR	W-B (1-3)
CN0E1	CE41507-001P	LV CONNECTOR	
CN0E3	CE41507-001P	LV CONNECTOR	
CN0HV	QGZ5004C1-06	CONNECTOR	(1-6)
CN0S1	QGA2501C5-05Z	CONNECTOR	W-B (1-5)
CN0SS	QGA2501C5-04Z	CONNECTOR	W-B (1-4)
⚠CP932	ICP-N70-T	IC PROTECTOR	2.5A
⚠CP933	ICP-N70-T	IC PROTECTOR	2.5A
⚠CP936	ICP-N70-T	IC PROTECTOR	2.5A
⚠F901	QMF51N1-5R0-J5	FUSE	5A AC125V
⚠F905	QMFZ049-5R0Z-E	FUSE	5A 125V
FC901	CEMG002-001Z	FUSE CLIP	
FC902	CEMG002-001Z	FUSE CLIP	
⚠FR525	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J
⚠FR527	QRZ9011-470	FUSI RESISTOR	47Ω 1/2W J
HS001	LC32313-001A	HEAT SINK/AL-F/	
HS002	LC31948-001A	HEAT SINK/AL-F/	
HS003	LC31677-001A	HEAT SINK/AL-F/	
HS004	CEHE015-001WU	HEAT SINK	
HS005	CM42862-00G-H	HEAT SINK ASSY	
HS007	CEHT11B-002QS	HEAT SINK	
J601	QNN0349-002	PIN JACK	COMP IN
J810	QNS0001-001	3.5 JACK	AV COMPLINK III
K401	QQR0621-002Z	FERRITE BEADS	
K912	QQR0582-001Z	FERRITE BEADS	
K916	QQR0582-001Z	FERRITE BEADS	
K917	QQR0582-001Z	FERRITE BEADS	
K918	QQR0582-001Z	FERRITE BEADS	
K920	QQR0872-002	FERRITE BEADS	
K931	QQR0582-001Z	FERRITE BEADS	
K932	QQR0582-001Z	FERRITE BEADS	
K933	QQR0582-001Z	FERRITE BEADS	
K935	QQR0582-001Z	FERRITE BEADS	
K937	QQR0582-001Z	FERRITE BEADS	
LC601	QQR1199-001	EMI FILTER	
LC602	QQR1199-001	EMI FILTER	
LC603	QQR1199-001	EMI FILTER	
⚠LF901	QQR1159-001	LINE FILTER	
⚠LF902	QQR0527-004	LINE FILTER	
⚠RY951	QSK0085-001	RELAY	
S421	QSL4A13-C02	LEVER SWITCH	V.CENTER
SF101	QAX0723-001	SAW FILTER	
⚠TH901	QAD0132-3R0	P THERMISTOR	3Ω
⚠TU001	QAU0274-001	TUNER	
⚠VA901	ERZV10V621CS	ZNR	
X701	QAX0717-001Z	CRYSTAL	8.000MHz

CRT SOCKET P.W. BOARD ASS'Y (SGJ-3502A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
Q3103	2SA933AS/QR/-T	TRANSISTOR	
Q3105	2SC1740S/QR/-T	TRANSISTOR	
Q3106	2SA933AS/QR/-T	TRANSISTOR	
Q3107	2SA1964/DE/	POW TRANSISTOR	
Q3108	2SC5248/DE/	POW TRANSISTOR	
Q3109	2SC1740S/QR/-T	TRANSISTOR	
Q3151	2SC1740S/QR/-T	TRANSISTOR	
Q3152	2SA933AS/QR/-T	TRANSISTOR	
Q3301	2SC5083/L-P/-T	TRANSISTOR	
Q3302	2SC5083/L-P/-T	TRANSISTOR	
Q3303	2SC5083/L-P/-T	TRANSISTOR	
Q3304	2SC5147/CDE/F43	POW TRANSISTOR	
Q3305	2SC5147/CDE/F43	POW TRANSISTOR	
Q3306	2SC5147/CDE/F43	POW TRANSISTOR	
Q3351	2SA933AS/QR/-T	TRANSISTOR	
D3101	1SS133-T2	DIODE	
D3105	RH1S-T3	SI DIODE	
D3106	RH1S-T3	SI DIODE	
D3301	1SS133-T2	DIODE	
D3302	1SS133-T2	DIODE	
D3303	1SS133-T2	DIODE	
D3304	1SS82-T2	SI DIODE	
D3305	1SS82-T2	SI DIODE	
D3306	1SS82-T2	SI DIODE	
D3311	MTZJ3.6B-T2	Z DIODE	
D3312	1SS133-T2	DIODE	
D3313	MTZJ4.3A-T2	Z DIODE	
D3314	1SS133-T2	DIODE	
D3331	1SS133-T2	DIODE	
D3351	1SS133-T2	DIODE	
D3352	1SS133-T2	DIODE	
D3353	1SS133-T2	DIODE	
D3354	1SS133-T2	DIODE	
C3101	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C3109	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C3110	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C3111	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C3113	QETN2CM-106Z	E CAPACITOR	10uF 160V M
C3114	QCB32HK-472Z	C CAPACITOR	4700pF 500V K
C3115	QCB32HK-472Z	C CAPACITOR	4700pF 500V K
C3117	QETN2CM-106Z	E CAPACITOR	10uF 160V M
C3118	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M
C3119	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C3120	QETN1AM-337Z	E CAPACITOR	330uF 10V M
C3121	QCS32HJ-151Z	C CAPACITOR	150pF 500V J
C3122	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J
C3125	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3151	NCB21EK-104X	C CAPACITOR	0.1uF 25V K
C3152	NCB21EK-104X	C CAPACITOR	0.1uF 25V K
C3301	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C3302	NDC31HJ-391X	C CAPACITOR	390pF 50V J
C3303	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C3321	QETN2EM-105Z	E CAPACITOR	1uF 250V M
C3322	QETN2EM-105Z	E CAPACITOR	1uF 250V M
C3323	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C3351	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C3363	QCZ0324-102	C CAPACITOR	1000pF 3kV P
R3108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3111	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R3114	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J
R3115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R3116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R3117	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3119	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J
⚠R3122	QRZ9021-561	FUSI RESISTOR	560Ω 1W J
R3123	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R3124	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J
R3125	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3126	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R3127	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R3128	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R3129	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3130	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J
R3131	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J
R3132	QRL029J-391	OMF RESISTOR	390Ω 2W J
R3134	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R3136	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R3139	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R3142	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R3143	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R3145	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3146	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3151	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R3152	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R3153	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R3154	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R3301	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R3302	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R3303	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R3304	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J
R3305	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J
R3306	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J
R3307	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R3308	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R3309	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R3310	QRG029J-153	OMF RESISTOR	15kΩ 2W J
R3311	QRG029J-153	OMF RESISTOR	15kΩ 2W J
R3312	QRG029J-153	OMF RESISTOR	15kΩ 2W J
R3313	QRG029J-183	OMF RESISTOR	18kΩ 2W J
R3314	QRG029J-183	OMF RESISTOR	18kΩ 2W J
R3315	QRG029J-183	OMF RESISTOR	18kΩ 2W J
R3316	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3325	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K
R3326	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K
R3327	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K
R3331	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R3332	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description	Local
R3333	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R3334	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3335	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R3336	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3337	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3351	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3352	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3353	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3354	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3363	QRC121K-474Z	COMP RESISTOR	470kΩ 1/2W K	
L3301	QQL244K-180Z	COIL	18uH K	
L3302	QQL244K-180Z	COIL	18uH K	
L3303	QQL244K-180Z	COIL	18uH K	
L3304	QQL244K-470Z	COIL	47uH K	
L3305	QQL244K-470Z	COIL	47uH K	
L3306	QQL244K-470Z	COIL	47uH K	
CN3004	QJB003-073226	SIN ID C-B WIRE		
CN3005	WJA0029-001A	E-S ID WIRE		
CN300V	QGA2501C5-03Z	CONNECTOR	W-B (1-3)	
CN30E2	QUB130-38A6AS	SIN TWIST WIRE		
CN30E4	QUB130-38A6AS	SIN TWIST WIRE		
HS3010	CEHP00N-001QS	HEAT SINK		
HS3011	CEHP00N-001QS	HEAT SINK		
HS3012	CEHP00N-001QS	HEAT SINK		
HS3013	CEHP00N-001QS	HEAT SINK		
HS3014	CEHP00N-001QS	HEAT SINK		
K3102	CE41492-001Z	CHOKE COIL		
K3103	CE41492-001Z	CHOKE COIL		
K3104	CE41492-001Z	CHOKE COIL		
K3105	CE41492-001Z	CHOKE COIL		
⚠SK3001	QNZ0464-001	CRT SOCKET		

AV SELECTOR P.W. BOARD ASS'Y (SGJ-5502A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC5001	CXA2134Q-X	IC		
IC5151	NJM2150AD	IC		
IC5201	TC90A49AP	IC		
IC5501	TA1218AN	IC		
Q5001	2SB709A/QR/-X	TRANSISTOR		
Q5002	2SB709A/QR/-X	TRANSISTOR		
Q5211	2SD601A/QR/-X	TRANSISTOR		
Q5212	2SD601A/QR/-X	TRANSISTOR		
Q5251	2SD601A/QR/-X	TRANSISTOR		
Q5252	2SB709A/QR/-X	TRANSISTOR		
Q5253	2SB709A/QR/-X	TRANSISTOR		
Q5261	2SB709A/QR/-X	TRANSISTOR		
Q5262	2SD601A/QR/-X	TRANSISTOR		
Q5263	2SB709A/QR/-X	TRANSISTOR		
Q5384	DTC323TK-X	DIGI TRANSISTOR		
Q5385	DTC323TK-X	DIGI TRANSISTOR		
Q5386	DTC323TK-X	DIGI TRANSISTOR		
Q5387	DTC323TK-X	DIGI TRANSISTOR		
Q5501	2SB709A/QR/-X	TRANSISTOR		
D5391	MTZJ9.1C-T2	Z DIODE		
D5392	MTZJ9.1C-T2	Z DIODE		
D5501	MTZJ9.1C-T2	Z DIODE		
D5502	MTZJ9.1C-T2	Z DIODE		
D5503	MTZJ9.1C-T2	Z DIODE		
D5504	MTZJ9.1C-T2	Z DIODE		
D5505	MTZJ9.1C-T2	Z DIODE		
D5507	MTZJ9.1C-T2	Z DIODE		
D5508	MTZJ9.1C-T2	Z DIODE		
D5509	MTZJ9.1C-T2	Z DIODE		
D5510	MTZJ9.1C-T2	Z DIODE		
D5511	MTZJ9.1C-T2	Z DIODE		
D5512	MTZJ9.1C-T2	Z DIODE		
D5513	MTZJ9.1C-T2	Z DIODE		
C5001	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C5002	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C5003	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C5004	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C5005	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C5006	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C5007	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C5008	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C5009	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C5010	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C5011	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C5012	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C5013	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C5014	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C5015	QBTC1CK-106Z	TA E CAPACITOR	10uF 16V K	
C5016	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C5017	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C5018	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C5019	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C5020	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C5021	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C5022	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C5023	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C5024	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C5025	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C5026	QBTC1CK-335Z	TA E CAPACITOR	3.3uF 16V K	
C5031	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C5151	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C5152	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C5153	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C5154	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C5155	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C5156	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C5157	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C5158	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C5159	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C5160	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C5203	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C5204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5205	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C5206	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5211	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	
C5212	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C5213	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C5214	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C5215	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C5226	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5231	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C5232	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5233	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5234	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5235	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5236	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C5237	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5238	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C5239	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5240	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5241	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5242	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C5243	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5246	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C5247	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5251	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C5252	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5253	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C5255	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C5263	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C5391	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C5392	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C5501	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C5502	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C5503	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C5504	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	
C5506	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C5508	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C5509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5520	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C5521	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C5531	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5532	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C5533	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5534	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	
R5001	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R5002	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R5003	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R5004	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R5005	NRSA63F-623X	MG RESISTOR	62kΩ 1/16W F	
R5007	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R5008	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R5010	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R5011	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R5012	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R5031	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R5032	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R5033	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description Local
R5034	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R5151	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R5152	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R5153	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R5154	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R5155	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5157	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5159	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R5210	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5211	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R5212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R5213	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R5214	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R5215	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R5216	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R5217	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R5240	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5241	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R5242	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R5243	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R5251	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R5253	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R5254	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R5255	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R5258	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R5259	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R5261	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R5262	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R5263	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R5265	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R5269	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R5270	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R5384	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R5385	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R5386	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R5387	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R5391	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R5392	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R5393	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R5394	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R5395	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R5396	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R5501	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R5502	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R5503	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R5504	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R5505	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R5507	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R5508	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R5509	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R5510	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R5511	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R5512	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R5513	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R5514	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R5515	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R5516	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R5517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R5519	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R5520	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R5521	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R5522	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R5523	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R5524	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R5526	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R5527	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R5532	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R5533	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R5541	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R5542	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R5543	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R5544	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R5545	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R5546	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R5558	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5559	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5560	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5561	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5564	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5565	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L5202	QQL244K-150Z	COIL	15uH K
L5211	QQL244K-4R7Z	COIL	4.7uH K
L5241	QQL244K-4R7Z	COIL	4.7uH K
L5243	QQL244K-4R7Z	COIL	4.7uH K
L5244	QQL244K-4R7Z	COIL	4.7uH K
L5261	QQL244K-150Z	COIL	15uH K

⚠Ref No.	Part No.	Part Name	Description Local
CN5001	QGB1505K1-35	CONNECTOR	B-B (1-35)
CN5006	QGA2501C5-05Z	CONNECTOR	W-B (1-5)
J5501	QNZ0454-001	AV JACK	S/V/L/R IN
J5502	QNN0349-001	PIN JACK	V/L/R IN
J5503	QNN0348-001	PIN JACK	L/R OUT

FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6501A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
C6401	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C6402	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C6403	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
R6401	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R6402	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R6403	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R6702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6703	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6704	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R6705	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R6706	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
CN6006	QJB003-054010	SIN ID C-B WIRE	
CN6007	QJB003-064426	SIN ID C-B WIRE	
CN600B	QJB003-050806	SIN ID C-B WIRE	
J6401	QNN0281-003	PIN JACK	V IN
J6402	QNN0281-002	PIN JACK	L IN
J6403	QNN0282-001	PIN JACK	R IN
LC6401	QQR1199-001	EMI FILTER	
S6702	QSW0619-003Z	TACT SWITCH	MENU
S6703	QSW0619-003Z	TACT SWITCH	CH-
S6704	QSW0619-003Z	TACT SWITCH	CH+
S6705	QSW0619-003Z	TACT SWITCH	VOL-
S6706	QSW0619-003Z	TACT SWITCH	VOL+

LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
IC7701	GP1UM281QK	IR DETECT UNIT	38kHz
Q7702	UN2112-X	TRANSISTOR	
D7701	LG22440	LED	POWER
C7701	QETN1EM-476Z	E CAPACITOR	47uF 25V M
R7708	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R7709	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R7710	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7711	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
CN700B	QGA2501C5-05Z	CONNECTOR	W-B (1-5)
S7701	QSW0847-001	TACT SWITCH	POWER

PRINTED WIRING BOARD PARTS LIST [AV-27FA44 /AZA]

MAIN P.W. BOARD ASS'Y (SGJ-1509A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC101	M52342SP	IC		
IC201	TM8812CSDNG4RR3	IC(MCU)		
IC421	LA7841	IC		
IC502	CXA1875AM-X	IC		
IC621	AN5277	IC		
IC702	AT24C04W-32FA44	IC	(SERVICE)	
IC703	S-80840CNY-T	IC		
IC704	AN78L05-T	IC		
IC851	AN7812F	IC		
IC852	AN7809F	IC		
IC853	AN7805F	IC		
⚠IC911	STR-F6626/F3	IC		
⚠IC921	SE135N	IC		
Q001	UN2212-X	DIGI TRANSISTOR		
Q101	2SC5083/L-P/-T	TRANSISTOR		
Q131	2SB709A/QR/-X	TRANSISTOR		
Q161	2SD601A/QR/-X	TRANSISTOR		
Q211	2SD601A/QR/-X	TRANSISTOR		
Q232	2SD601A/QR/-X	TRANSISTOR		
Q233	2SD601A/QR/-X	TRANSISTOR		
Q352	2SD601A/QR/-X	TRANSISTOR		
Q353	2SD601A/QR/-X	TRANSISTOR		
Q431	UN2212-X	DIGI TRANSISTOR		
Q501	2SC4212/Z1/	TRANSISTOR		
⚠Q511	2SD2645-YD	TRANSISTOR	H OUT	
Q531	2SC2785/JH/-T	SI TRANSISTOR		
Q532	2SB709A/QR/-X	TRANSISTOR		
Q541	2SB709A/QR/-X	TRANSISTOR		
Q542	2SB709A/QR/-X	TRANSISTOR		
Q543	2SD1408/OY/-LB	POW TRANSISTOR		
Q622	2SD601A/QR/-X	TRANSISTOR		
Q623	UN2212-X	DIGI TRANSISTOR		
Q624	2SB709A/QR/-X	TRANSISTOR		
Q625	2SB709A/QR/-X	TRANSISTOR		
Q626	2SD601A/QR/-X	TRANSISTOR		
Q627	2SD601A/QR/-X	TRANSISTOR		
Q701	2SB709A/QR/-X	TRANSISTOR		
Q951	2SD1383K/AB/-X	TRANSISTOR		
Q971	2SA1208/ST/Z1-T	TRANSISTOR		
D305	1SS133-T2	DIODE		
D306	1SS133-T2	DIODE		
D307	1SS133-T2	DIODE		
D308	1SS133-T2	DIODE		
D309	1SS133-T2	DIODE		
D310	1SS133-T2	DIODE		
D352	MTZJ9.1C-T2	Z DIODE		
D353	1SS133-T2	DIODE		
D354	MTZJ3.3A-T2	Z DIODE		
D421	1N4003-T2	SI DIODE		
D422	MTZJ75-T2	Z DIODE		
D432	1SS133-T2	DIODE		
D501	RH3G-F1	SI DIODE		
D502	RU3AM-LFC4	SI DIODE		
D507	RGP10J-5025-T3	SI DIODE		
D521	RH1S-T3	SI DIODE		
D523	RGP10J-5025-T3	SI DIODE		
D525	1SS81-T5	SI DIODE		
D526	1SS81-T5	SI DIODE		
D527	1SR124-400A-T2	SI DIODE		
D529	MTZJ9.1C-T2	Z DIODE		
⚠D531	MA4068N/Z1/-T2	Z DIODE		
D535	1SS133-T2	DIODE		
D537	1SR35-400A-T2	SI DIODE		
D601	MTZJ9.1C-T2	Z DIODE		
D602	MTZJ9.1C-T2	Z DIODE		
D603	MTZJ9.1C-T2	Z DIODE		
D621	1SS133-T2	DIODE		
D622	1SS133-T2	DIODE		
D630	1SS133-T2	DIODE		
D631	1SS133-T2	DIODE		
D632	1SS133-T2	DIODE		
D700	MTZJ5.6B-T2	Z DIODE		
D701	1SS133-T2	DIODE		
D703	MTZJ5.6B-T2	Z DIODE		
D704	MTZJ5.6B-T2	Z DIODE		
D705	1SS133-T2	DIODE		
D706	MTZJ5.6B-T2	Z DIODE		
D707	MTZJ5.6B-T2	Z DIODE		
D708	MTZJ5.6B-T2	Z DIODE		
D709	MTZJ5.6B-T2	Z DIODE		
D723	MTZJ5.6B-T2	Z DIODE		
D810	MTZJ5.6B-T2	Z DIODE		
⚠D901	GSIB460-S1	BRIDGE DIODE		
D910	MA700A-T2	SB DIODE		
D911	RGP10J-5025-T3	SI DIODE		
D912	RGP10J-5025-T3	SI DIODE		
D913	RGP10J-5025-T3	SI DIODE		
D914	1SS133-T2	DIODE		
D915	SARS01-T2	SI DIODE		
D917	MTZJ30A-T2	Z DIODE		
D918	MTZJ5.1C-T2	Z DIODE		
D920	1SS133-T2	DIODE		
D931	RU30A-F1	SI DIODE		
D933	RU3YX-LFC4	SI DIODE		
D935	RU3YX-LFC4	SI DIODE		
D937	RU3YX-LFC4	SI DIODE		
D941	MTZJ33A-T2	Z DIODE		
D945	MTZJ9.1B-T2	Z DIODE		
D952	1SS133-T2	DIODE		
D953	1SS133-T2	DIODE		
D954	1SR35-400A-T2	SI DIODE		
D955	1SR35-400A-T2	SI DIODE		
D956	1SR35-400A-T2	SI DIODE		
D957	1SR35-400A-T2	SI DIODE		
D972	MTZJ15C-T2	Z DIODE		
D973	1SS133-T2	DIODE		
⚠PC921	TLP421F/D4-GR/	PHOTO COUPLER		
C001	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C003	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C004	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C006	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C106	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C113	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C116	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C117	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C118	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C119	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C120	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C131	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C161	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C163	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C164	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C165	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C202	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C203	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C211	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	
C212	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C221	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C222	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C223	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C233	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C237	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C241	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C242	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C243	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C244	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C281	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C282	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C283	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C284	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C285	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C286	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C287	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C288	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C302	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C352	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C391	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C392	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C422	QFN32AK-102Z	M CAPACITOR	1000pF 100V K	
C424	QETN1VM-107Z	E CAPACITOR	100uF 35V M	
C425	QETN1VM-477Z	E CAPACITOR	470uF 35V M	
C427	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C428	QETM1EM-228	E CAPACITOR	2200uF 25V M	

⚠Ref No.	Part No.	Part Name	Description Local
C431	QFLC2AK-563Z	M CAPACITOR	0.056uF 100V K
C432	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C433	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C435	NCB21HK-183X	C CAPACITOR	0.018uF 50V K
C440	QCS32HJ-100Z	C CAPACITOR	10pF 500V J
C501	QCB32HK-151Z	C CAPACITOR	150pF 500V K
C502	QCB32HK-331Z	C CAPACITOR	330pF 500V K
C503	QEHR2CM-105Z	E CAPACITOR	1uF 160V M
C504	QEZ0203-107	E CAPACITOR	100uF 160V M
C505	QENC2AM-225Z	BP E CAPACITOR	2.2uF 100V M
C507	QEM61HK-475Z	E CAPACITOR	4.7uF 50V K
C508	QEM61HK-475Z	E CAPACITOR	4.7uF 50V K
⚠C510	QFZ0196-612	MPP CAPACITOR	6100pF 1.5kV H
⚠C513	QFZ0196-113	MPP CAPACITOR	0.011uF 1.5kV H
C514	QFP32GJ-183	PP CAPACITOR	0.018uF 400V J
C515	QFZ0197-354	MPP CAPACITOR	0.35uF 250V J
C516	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C521	QETN2EM-106Z	E CAPACITOR	10uF 250V M
C523	QEHR1VM-108Z	E CAPACITOR	1000uF 35V M
C525	QETN1VM-107Z	E CAPACITOR	100uF 35V M
C526	QFV21HJ-824Z	MF CAPACITOR	0.82uF 50V J
C527	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J
C533	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C561	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C562	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C601	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C602	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C603	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C609	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
C610	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
C611	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
C621	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C622	NCF21CZ-105X	C CAPACITOR	1uF 16V Z
C623	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C624	NCF21CZ-105X	C CAPACITOR	1uF 16V Z
C625	QETN1VM-107Z	E CAPACITOR	100uF 35V M
C626	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C627	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
C628	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C629	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C633	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C636	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C637	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C638	QFV71HJ-124Z	MF CAPACITOR	0.12uF 50V J
C639	QFV71HJ-124Z	MF CAPACITOR	0.12uF 50V J
C641	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C642	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C643	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C700	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C701	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C702	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C703	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C704	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C706	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C708	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C709	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C711	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C716	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C728	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C807	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C813	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C851	QETN1EM-107Z	E CAPACITOR	100uF 25V M
C852	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C853	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C854	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C856	QEHR1CM-227Z	E CAPACITOR	220uF 16V M
C857	QETN1CM-477Z	E CAPACITOR	470uF 16V M
⚠C901	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
⚠C902	QFZ9072-473	MM CAPACITOR	0.047uF AC250V K
⚠C903	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
⚠C904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
⚠C905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
⚠C906	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
C907	QEZ0644-567	E CAPACITOR	560uF 200V K
⚠C908	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
C912	QCZ0340-222	C CAPACITOR	2200pF 2kV K
C913	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J
C914	QETN1HM-107Z	E CAPACITOR	100uF 50V M
C916	NDC31HJ-331X	C CAPACITOR	330pF 50V J
C917	NCB31HK-182X	C CAPACITOR	1800pF 50V K
C918	NCB21HK-104X	C CAPACITOR	0.1uF 50V K
C919	QFP32GJ-103	PP CAPACITOR	0.01uF 400V J
C931	QEZ0203-227	E CAPACITOR	220uF 160V M
C932	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C933	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C934	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C935	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C937	QCZ0340-102	C CAPACITOR	1000pF 2kV K
C938	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C939	QCB32HK-152Z	C CAPACITOR	1500pF 500V K
C941	QCB32HK-102Z	C CAPACITOR	1000pF 500V K
C942	QEHR1HM-105Z	E CAPACITOR	1uF 50V M
C943	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C951	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C952	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C971	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C972	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C973	QETN1HM-106Z	E CAPACITOR	10uF 50V M
⚠C997	QCZ9052-102	C CAPACITOR	1000pF AC125V M
⚠C998	QCZ9074-103	C CAPACITOR	0.01uF AC250V M
⚠C999	QCZ9074-103	C CAPACITOR	0.01uF AC250V M
R002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R008	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J
R009	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R101	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R103	QRE121J-101Y	C RESISTOR	100Ω 1/2W J
R104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J
R105	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J
R111	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J
R112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J
R113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R117	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R118	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R132	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R133	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R134	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R161	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R162	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R163	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R164	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R167	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R169	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R171	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R212	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R215	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R222	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R231	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R237	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R238	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R241	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R243	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R281	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R282	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R283	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R286	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R287	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R288	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J
R289	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R290	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J
R292	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R293	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R301	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R302	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R303	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R318	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R319	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R352	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R354	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R355	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R356	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R358	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R360	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
R421	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R423	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R424	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R426	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R427	QRT029J-1R5	MF RESISTOR	1.5Ω 2W J
R429	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R430	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R431	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R432	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R433	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R434	QRL029J-181	OMF RESISTOR	180Ω 2W J
R435	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J
R441	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R447	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R449	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R502	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R503	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R504	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J
R505	QRL039J-182	OMF RESISTOR	1.8kΩ 3W J
R506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R509	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R511	QRE121J-220Y	C RESISTOR	22Ω 1/2W J
R512	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
R513	QRL039J-273	OMF RESISTOR	27kΩ 3W J
R515	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R516	QRZ0221-2R0	OMF RESISTOR	2Ω 7W K
R524	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R526	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R527	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J
R528	QRE121J-154Y	C RESISTOR	150kΩ 1/2W J
R529	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
⚠R531	QRJ146J-391X	UNF C RESISTOR	390Ω 1/4W J
R532	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R533	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R534	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
⚠R535	NRVA02D-242X	CMF RESISTOR	2.4kΩ 1/10W D
⚠R537	NRVA02D-682X	CMF RESISTOR	6.8kΩ 1/10W D
R538	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R541	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R543	QRE121J-122Y	C RESISTOR	1.2kΩ 1/2W J
R544	QRE121J-392Y	C RESISTOR	3.9kΩ 1/2W J
R545	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J
R546	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R547	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R548	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J
R553	QRL039J-390	OMF RESISTOR	39Ω 3W J
⚠R554	QRK126J-150X	UNF C RESISTOR	15Ω 1/2W J
R555	QRX029J-3R3	MF RESISTOR	3.3Ω 2W J
R561	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R562	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R601	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R602	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R603	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R610	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R611	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R612	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R621	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R622	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R623	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R624	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R626	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R627	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R628	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R629	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R631	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R632	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R633	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R637	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R638	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R639	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R640	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R644	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R645	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R647	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R648	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R650	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R651	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R652	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R653	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R656	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R657	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R700	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R701	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R718	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R728	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R739	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R740	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R764	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R766	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R767	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R769	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R811	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R812	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R816	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R821	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J
R822	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R827	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R857	QRL029J-820	OMF RESISTOR	82Ω 2W J
R901	QRF074K-1R2	UNF WW RESISTOR	1.2Ω 7W K
R909	QRG01GJ-470	OMF RESISTOR	47Ω 1W J
R911	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R912	QRT029J-R18	MF RESISTOR	0.18Ω 2W J
R913	QRT029J-R15	MF RESISTOR	0.15Ω 2W J
⚠R914	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J
⚠R915	QRK129J-6R8	UNF C RESISTOR	6.8Ω 1/2W J
⚠R917	QRK126J-332X	UNF C RESISTOR	3.3kΩ 1/2W J
R918	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R919	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J
R924	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R930	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R939	QRT039J-1R5	MF RESISTOR	1.5Ω 3W J
R940	QRE121J-181Y	C RESISTOR	180Ω 1/2W J
R941	QRL029J-183	OMF RESISTOR	18kΩ 2W J
R950	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R951	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R952	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R953	QRE121J-820Y	C RESISTOR	82Ω 1/2W J
R973	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R975	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R977	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R978	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R979	QRT029J-1R0	MF RESISTOR	1Ω 2W J
R980	QRT029J-1R0	MF RESISTOR	1Ω 2W J
⚠R998	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K
R999	QRE121J-121Y	C RESISTOR	120Ω 1/2W J
L001	QQL244K-560Z	COIL	56uH K
L101	QQLZ014-R22	COIL	0.22uH 100mA L
L113	QQL244K-4R7Z	COIL	4.7uH K
L131	QQL244K-150Z	COIL	15uH K
L161	QQL244K-220Z	COIL	22uH K
L232	QQL244K-560Z	COIL	56uH K
L241	QQL244K-220Z	COIL	22uH K
L391	QQL244K-220Z	COIL	22uH K
L511	QQR1165-004	LINEARITY COIL	
L512	QQLZ036-821	COIL	820uH K
L521	QQLZ026-800	COIL	80uH ±7%
L701	QQL244K-220Z	COIL	22uH K
L702	QQL244K-220Z	COIL	22uH K
L703	QQL244K-220Z	COIL	22uH K
L704	QQL244K-220Z	COIL	22uH K
L705	QQL244K-220Z	COIL	22uH K
L931	QQL26AK-470Z	COIL	47uH K
L933	QQL26AK-470Z	COIL	47uH K
L937	QQL26AK-470Z	COIL	47uH K
L940	QQR0582-001Z	FERRITE BEADS	
T111	QQR0907-001	IFT	
T501	CE42034-002	HOR DRIVE TRANS	
⚠T921	QQS0225-001	SW TRANSF	
⚠T951	QQT0372-001	POWER TRANSF	
CF001	QAX0349-001	C TRAP	47.25MHz
CF131	QAX0639-001Z	C TRAP	4.500MHz

⚠Ref No.	Part No.	Part Name	Description Local
CF161	QAX0642-001Z	C FILTER	4.500MHz
CN001	QGB1505J1-35	CONNECTOR	B-B (1-35)
CN004	QGA2501C5-07Z	CONNECTOR	W-B (1-7)
CN005	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
CN007	QGA2501C5-06Z	CONNECTOR	W-B (1-6)
CN00C	QGA2501F1-06	CONNECTOR	W-B (1-6)
CN0E1	CE41507-001P	LV CONNECTOR	
CN0E3	CE41507-001P	LV CONNECTOR	
CN0HV	QGZ5004C1-06	CONNECTOR	(1-6)
CN0S1	QGA2501C5-05Z	CONNECTOR	W-B (1-5)
CN0SS	QGA2501C5-04Z	CONNECTOR	W-B (1-4)
⚠CP932	ICP-N70-T	IC PROTECTOR	2.5A
⚠CP933	ICP-N70-T	IC PROTECTOR	2.5A
⚠CP936	ICP-N70-T	IC PROTECTOR	2.5A
⚠F901	QMF51N1-5R0-J5	FUSE	5A AC125V
⚠F905	QMFZ049-5R0Z-E	FUSE	5A 125V
FC901	CEMG002-001Z	FUSE CLIP	
FC902	CEMG002-001Z	FUSE CLIP	
⚠FR525	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J
⚠FR527	QRZ9011-470	FUSI RESISTOR	47Ω 1/2W J
HS001	LC32313-001A	HEAT SINK/AL-F/	
HS002	LC31948-001A	HEAT SINK/AL-F/	
HS003	LC31677-001A	HEAT SINK/AL-F/	
HS004	CEHE015-001WU	HEAT SINK	
HS005	CM42862-00G-H	HEAT SINK ASSY	
HS007	CEHT11B-002QS	HEAT SINK	
J601	QNN0349-002	PIN JACK	COMP IN
J810	QNS0001-001	3.5 JACK	AV COMPLINK III
K401	QQR0621-002Z	FERRITE BEADS	
K912	QQR0582-001Z	FERRITE BEADS	
K916	QQR0582-001Z	FERRITE BEADS	
K917	QQR0582-001Z	FERRITE BEADS	
K918	QQR0582-001Z	FERRITE BEADS	
K920	QQR0872-002	FERRITE BEADS	
K931	QQR0582-001Z	FERRITE BEADS	
K932	QQR0582-001Z	FERRITE BEADS	
K933	QQR0582-001Z	FERRITE BEADS	
K935	QQR0582-001Z	FERRITE BEADS	
K937	QQR0582-001Z	FERRITE BEADS	
LC601	QQR1199-001	EMI FILTER	
LC602	QQR1199-001	EMI FILTER	
LC603	QQR1199-001	EMI FILTER	
⚠LF901	QQR1159-001	LINE FILTER	
⚠LF902	QQR0527-004	LINE FILTER	
⚠RY951	QSK0085-001	RELAY	
S421	QSL4A13-C02	LEVER SWITCH	V.CENTER
SF101	QAX0723-001	SAW FILTER	
⚠TH901	QAD0132-3R0	P THERMISTOR	3Ω
⚠TU001	QAU0274-001	TUNER	
⚠VA901	ERZV10V621CS	ZNR	
X701	QAX0717-001Z	CRYSTAL	8.000MHz

CRT SOCKET P.W. BOARD ASS'Y (SGJ-3506A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
Q3103	2SA933AS/QR/-T	TRANSISTOR	
Q3105	2SC1740S/QR/-T	TRANSISTOR	
Q3106	2SA933AS/QR/-T	TRANSISTOR	
Q3107	2SA1964/DE/	POW TRANSISTOR	
Q3108	2SC5248/DE/	POW TRANSISTOR	
Q3109	2SC1740S/QR/-T	TRANSISTOR	
Q3151	2SC1740S/QR/-T	TRANSISTOR	
Q3152	2SA933AS/QR/-T	TRANSISTOR	
Q3301	2SC5083/L-P/-T	TRANSISTOR	
Q3302	2SC5083/L-P/-T	TRANSISTOR	
Q3303	2SC5083/L-P/-T	TRANSISTOR	
Q3304	2SC5147/CDE/F43	POW TRANSISTOR	
Q3305	2SC5147/CDE/F43	POW TRANSISTOR	
Q3306	2SC5147/CDE/F43	POW TRANSISTOR	
Q3351	2SA933AS/QR/-T	TRANSISTOR	
D3101	1SS133-T2	DIODE	
D3105	RH1S-T3	SI DIODE	
D3106	RH1S-T3	SI DIODE	
D3301	1SS133-T2	DIODE	
D3302	1SS133-T2	DIODE	
D3303	1SS133-T2	DIODE	
D3304	1SS82-T2	SI DIODE	
D3305	1SS82-T2	SI DIODE	
D3306	1SS82-T2	SI DIODE	
D3311	MTZJ3.6B-T2	Z DIODE	
D3312	1SS133-T2	DIODE	
D3313	MTZJ4.3A-T2	Z DIODE	
D3314	1SS133-T2	DIODE	
D3331	1SS133-T2	DIODE	
D3351	1SS133-T2	DIODE	
D3352	1SS133-T2	DIODE	
D3353	1SS133-T2	DIODE	
D3354	1SS133-T2	DIODE	
C3101	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C3109	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C3110	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C3111	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C3113	QETN2CM-106Z	E CAPACITOR	10uF 160V M
C3114	QCB32HK-472Z	C CAPACITOR	4700pF 500V K
C3115	QCB32HK-472Z	C CAPACITOR	4700pF 500V K
C3117	QETN2CM-106Z	E CAPACITOR	10uF 160V M
C3118	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M
C3119	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C3120	QETN1AM-337Z	E CAPACITOR	330uF 10V M
C3121	QCS32HJ-151Z	C CAPACITOR	150pF 500V J
C3122	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J
C3125	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3151	NCB21EK-104X	C CAPACITOR	0.1uF 25V K
C3152	NCB21EK-104X	C CAPACITOR	0.1uF 25V K
C3301	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C3302	NDC31HJ-391X	C CAPACITOR	390pF 50V J
C3303	NDC31HJ-561X	C CAPACITOR	560pF 50V J
C3321	QETN2EM-105Z	E CAPACITOR	1uF 250V M
C3322	QETN2EM-105Z	E CAPACITOR	1uF 250V M
C3323	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C3351	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C3363	QCZ0324-102	C CAPACITOR	1000pF 3kV P
R3108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3111	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R3114	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J
R3115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R3116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R3117	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3119	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J
⚠R3122	QRZ9021-561	FUSI RESISTOR	560Ω 1W J
R3123	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R3124	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J
R3125	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3126	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R3127	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R3128	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R3129	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3130	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J
R3131	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J
R3132	QRL029J-391	OMF RESISTOR	390Ω 2W J
R3134	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R3136	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R3139	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R3142	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R3143	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R3145	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3146	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3151	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R3152	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R3153	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R3154	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R3301	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R3302	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R3303	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R3304	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J
R3305	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J
R3306	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J
R3307	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R3308	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R3309	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R3310	QRG029J-153	OMF RESISTOR	15kΩ 2W J
R3311	QRG029J-153	OMF RESISTOR	15kΩ 2W J
R3312	QRG029J-153	OMF RESISTOR	15kΩ 2W J
R3313	QRG029J-183	OMF RESISTOR	18kΩ 2W J
R3314	QRG029J-183	OMF RESISTOR	18kΩ 2W J
R3315	QRG029J-183	OMF RESISTOR	18kΩ 2W J
R3316	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3325	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K
R3326	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K
R3327	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K
R3331	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R3332	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R3333	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R3334	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R3335	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description	Local
R3336	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3337	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3351	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3352	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3353	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3354	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3363	QRC121K-474Z	COMP RESISTOR	470kΩ 1/2W K	
L3301	QQL244K-180Z	COIL	18uH K	
L3302	QQL244K-180Z	COIL	18uH K	
L3303	QQL244K-180Z	COIL	18uH K	
L3304	QQL244K-470Z	COIL	47uH K	
L3305	QQL244K-470Z	COIL	47uH K	
L3306	QQL244K-470Z	COIL	47uH K	
CN3004	QJB003-073226	SIN ID C-B WIRE		
CN3005	WJA0029-001A	E-S ID WIRE		
CN300V	QGA2501C5-03Z	CONNECTOR	W-B (1-3)	
CN30E2	QUB130-38A6AS	SIN TWIST WIRE		
CN30E4	QUB130-38A6AS	SIN TWIST WIRE		
HS3010	CEHP00N-001QS	HEAT SINK		
HS3011	CEHP00N-001QS	HEAT SINK		
HS3012	CEHP00N-001QS	HEAT SINK		
HS3013	CEHP00N-001QS	HEAT SINK		
HS3014	CEHP00N-001QS	HEAT SINK		
K3102	CE41492-001Z	CHOKE COIL		
K3103	CE41492-001Z	CHOKE COIL		
K3104	CE41492-001Z	CHOKE COIL		
K3105	CE41492-001Z	CHOKE COIL		
⚠SK3001	QNZ0464-001	CRT SOCKET		

AV SELECTOR P.W. BOARD ASS'Y (SGJ-5502A-M2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6501A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

PRINTED WIRING BOARD PARTS LIST [AV-32FA44 /AYA]

MAIN P.W. BOARD ASS'Y (SGJ-1506A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC101	M52342SP	IC		
IC201	TM8812CSDNG4RR3	IC(MCU)		
IC421	LA7841	IC		
IC502	CXA1875AM-X	IC		
IC621	AN5277	IC		
IC702	AT24C04W-32FA44	IC	(SERVICE)	
IC703	S-80840CNY-T	IC		
IC704	AN78L05-T	IC		
IC851	AN7812F	IC		
IC852	AN7809F	IC		
IC853	AN7805F	IC		
⚠IC911	STR-F6626/F3	IC		
⚠IC921	SE135N	IC		
Q001	UN2212-X	DIGI TRANSISTOR		
Q101	2SC5083/L-P/-T	TRANSISTOR		
Q131	2SB709A/QR/-X	TRANSISTOR		
Q161	2SD601A/QR/-X	TRANSISTOR		
Q211	2SD601A/QR/-X	TRANSISTOR		
Q232	2SD601A/QR/-X	TRANSISTOR		
Q233	2SD601A/QR/-X	TRANSISTOR		
Q352	2SD601A/QR/-X	TRANSISTOR		
Q353	2SD601A/QR/-X	TRANSISTOR		
Q431	UN2212-X	DIGI TRANSISTOR		
Q451	2SD601A/QR/-X	TRANSISTOR		
Q501	2SC4212/Z1/	TRANSISTOR		
⚠Q511	2SD2645-YD	TRANSISTOR	H OUT	
Q531	2SC2785/JH/-T	SI TRANSISTOR		
Q532	2SB709A/QR/-X	TRANSISTOR		
Q541	2SB709A/QR/-X	TRANSISTOR		
Q542	2SB709A/QR/-X	TRANSISTOR		
Q543	2SD1408/OY/-LB	POW TRANSISTOR		
Q622	2SD601A/QR/-X	TRANSISTOR		
Q623	UN2212-X	DIGI TRANSISTOR		
Q624	2SB709A/QR/-X	TRANSISTOR		
Q625	2SB709A/QR/-X	TRANSISTOR		
Q626	2SD601A/QR/-X	TRANSISTOR		
Q627	2SD601A/QR/-X	TRANSISTOR		
Q701	2SB709A/QR/-X	TRANSISTOR		
Q951	2SD1383K/AB/-X	TRANSISTOR		
Q971	2SA1208/ST/Z1-T	TRANSISTOR		
D305	1SS133-T2	DIODE		
D306	1SS133-T2	DIODE		
D307	1SS133-T2	DIODE		
D308	1SS133-T2	DIODE		
D309	1SS133-T2	DIODE		
D310	1SS133-T2	DIODE		
D352	MTZJ9.1C-T2	Z DIODE		
D353	1SS133-T2	DIODE		
D354	MTZJ3.3A-T2	Z DIODE		
D421	1N4003-T2	SI DIODE		
D431	1SR35-400A-T2	SI DIODE		
D432	1SS133-T2	DIODE		
D501	RH3G-F1	SI DIODE		
D502	RU3AM-LFC4	SI DIODE		
D507	RGP10J-5025-T3	SI DIODE		
D521	RH1S-T3	SI DIODE		
D523	EL1Z-T3	SI DIODE		
D524	EL1Z-T3	SI DIODE		
D525	1SS81-T5	SI DIODE		
D526	1SS81-T5	SI DIODE		
D527	1SR124-400A-T2	SI DIODE		
D529	MTZJ9.1C-T2	Z DIODE		
⚠D531	MA4068N/Z1/-T2	Z DIODE		
D535	1SS133-T2	DIODE		
D537	1SR35-400A-T2	SI DIODE		
D601	MTZJ9.1C-T2	Z DIODE		
D602	MTZJ9.1C-T2	Z DIODE		
D603	MTZJ9.1C-T2	Z DIODE		
D621	1SS133-T2	DIODE		
D622	1SS133-T2	DIODE		
D627	1SS133-T2	DIODE		
D630	1SS133-T2	DIODE		
D631	1SS133-T2	DIODE		
D632	1SS133-T2	DIODE		
D700	MTZJ5.6B-T2	Z DIODE		
D701	1SS133-T2	DIODE		
D703	MTZJ5.6B-T2	Z DIODE		
D704	MTZJ5.6B-T2	Z DIODE		
D705	1SS133-T2	DIODE		
D706	MTZJ5.6B-T2	Z DIODE		
D707	MTZJ5.6B-T2	Z DIODE		
D708	MTZJ5.6B-T2	Z DIODE		
D709	MTZJ5.6B-T2	Z DIODE		
D723	MTZJ5.6B-T2	Z DIODE		
D810	MTZJ5.6B-T2	Z DIODE		
⚠D901	GSIB460-S1	BRIDGE DIODE		
D910	MA700A-T2	SB DIODE		
D911	RGP10J-5025-T3	SI DIODE		
D912	RGP10J-5025-T3	SI DIODE		
D913	RGP10J-5025-T3	SI DIODE		
D914	1SS133-T2	DIODE		
D915	SARS01-T2	SI DIODE		
D917	MTZJ30A-T2	Z DIODE		
D918	MTZJ5.1C-T2	Z DIODE		
D920	1SS133-T2	DIODE		
D931	RU30A-F1	SI DIODE		
D933	RU3YX-LFC4	SI DIODE		
D935	RU3YX-LFC4	SI DIODE		
D937	RU3YX-LFC4	SI DIODE		
D941	MTZJ33A-T2	Z DIODE		
D945	MTZJ9.1B-T2	Z DIODE		
D952	1SS133-T2	DIODE		
D953	1SS133-T2	DIODE		
D954	1SR35-400A-T2	SI DIODE		
D955	1SR35-400A-T2	SI DIODE		
D956	1SR35-400A-T2	SI DIODE		
D957	1SR35-400A-T2	SI DIODE		
D972	MTZJ15C-T2	Z DIODE		
D973	1SS133-T2	DIODE		
⚠PC921	TLP421F/D4-GR/	PHOTO COUPLER		
C001	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C003	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C004	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C006	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C106	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C113	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C116	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C117	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C118	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C119	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C120	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C131	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C161	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C163	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C164	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C165	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C202	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C203	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C211	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	
C212	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C221	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C222	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C223	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C233	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C237	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C241	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C242	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C243	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C244	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C281	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C282	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C283	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C284	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C285	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C286	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C287	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C288	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C302	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C352	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C391	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C392	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C422	QFN32AK-102Z	M CAPACITOR	1000pF 100V K	
C424	QETN1VM-107Z	E CAPACITOR	100uF 35V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C428	QEHQ1VM-108	E CAPACITOR	1000uF 35V M	
C429	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C431	QFLC2AK-563Z	M CAPACITOR	0.056uF 100V K	
C432	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C433	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C435	NCB21HK-183X	C CAPACITOR	0.018uF 50V K	
C440	QCS32HJ-180Z	C CAPACITOR	18pF 500V J	
C501	QCB32HK-151Z	C CAPACITOR	150pF 500V K	
C502	QCB32HK-331Z	C CAPACITOR	330pF 500V K	
C503	QEHR2CM-105Z	E CAPACITOR	1uF 160V M	
C504	QEZ0203-107	E CAPACITOR	100uF 160V M	
C505	QENC2AM-225Z	BP E CAPACITOR	2.2uF 100V M	
C507	QEZ0195-475Z	BP E CAPACITOR	4.7uF 50V M	
⚠C510	QFZ0200-422	MPP CAPACITOR	4200pF 1.5kV H	
⚠C513	QFZ0198-153	MPP CAPACITOR	0.015uF	
C514	QFP32GJ-223	PP CAPACITOR	0.022uF 400V J	
C515	QFZ0199-474	MPP CAPACITOR	0.47uF 250V J	
C516	QCB32HK-561Z	C CAPACITOR	560pF 500V K	
C521	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C523	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C524	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C525	QETN1VM-107Z	E CAPACITOR	100uF 35V M	
C526	QFV21HJ-824Z	MF CAPACITOR	0.82uF 50V J	
C527	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J	
C533	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C561	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C562	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C601	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C602	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C603	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C609	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C610	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C611	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C621	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C622	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	
C623	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C624	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	
C625	QETN1VM-107Z	E CAPACITOR	100uF 35V M	
C626	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	
C627	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C628	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C629	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C633	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C636	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C637	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C638	QFV71HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C639	QFV71HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C641	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C642	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C643	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C700	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C701	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C702	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C703	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C704	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C706	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C708	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C709	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C711	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C716	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C728	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C807	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C813	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C851	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C852	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C853	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C854	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C856	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C857	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
⚠C901	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	
⚠C902	QFZ9072-473	MM CAPACITOR	0.047uF AC250V K	
⚠C903	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	
⚠C904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
⚠C905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
⚠C906	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
C907	QEZ0644-567	E CAPACITOR	560uF 200V K	
⚠C908	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
C912	QCZ0340-222	C CAPACITOR	2200pF 2kV K	
C913	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J	
C914	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C916	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C917	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C918	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C919	QFP32GJ-103	PP CAPACITOR	0.01uF 400V J	

⚠Ref No.	Part No.	Part Name	Description	Local
C931	QEZ0203-227	E CAPACITOR	220uF 160V M	
C932	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C933	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C934	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C935	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	
C937	QCZ0340-102	C CAPACITOR	1000pF 2kV K	
C938	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C939	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C941	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	
C942	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C943	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C951	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C952	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C971	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C972	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C973	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
⚠C997	QCZ9052-102	C CAPACITOR	1000pF AC125V M	
⚠C998	QCZ9074-103	C CAPACITOR	0.01uF AC250V M	
⚠C999	QCZ9074-103	C CAPACITOR	0.01uF AC250V M	
R002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R008	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R009	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R101	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R103	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J	
R105	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R111	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R117	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R118	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R132	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R133	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R134	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R161	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R162	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R163	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R164	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R167	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R169	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R171	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R212	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R215	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R222	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R231	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R237	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R238	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R241	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R243	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R281	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R282	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R283	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R286	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R287	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R288	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J	
R289	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R290	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J	
R292	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R293	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R301	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R302	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R303	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R318	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R319	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R352	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R354	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R355	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R356	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description Local
R358	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R360	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
R421	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R426	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R427	QRT029J-1R0	MF RESISTOR	1Ω 2W J
R431	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R432	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R433	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R434	QRL029J-221	OMF RESISTOR	220Ω 2W J
R446	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R447	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R449	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R451	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R452	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R502	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R503	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R504	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J
R505	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J
R506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R509	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R511	QRE121J-220Y	C RESISTOR	22Ω 1/2W J
R512	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
R513	QRL039J-273	OMF RESISTOR	27kΩ 3W J
R515	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R516	QRZ0221-2R0	OMF RESISTOR	2Ω 7W K
R524	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R526	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R527	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J
R528	QRE121J-154Y	C RESISTOR	150kΩ 1/2W J
R529	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
⚠R531	QRJ146J-391X	UNF C RESISTOR	390Ω 1/4W J
R532	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R533	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R534	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
⚠R535	NRVA02D-242X	CMF RESISTOR	2.4kΩ 1/10W D
⚠R537	NRVA02D-752X	CMF RESISTOR	7.5kΩ 1/10W D
R538	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R541	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R543	QRE121J-122Y	C RESISTOR	1.2kΩ 1/2W J
R544	QRE121J-392Y	C RESISTOR	3.9kΩ 1/2W J
R545	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J
R546	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R547	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R548	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J
R553	QRL039J-390	OMF RESISTOR	39Ω 3W J
⚠R554	QRK126J-150X	UNF C RESISTOR	15Ω 1/2W J
R555	QRX029J-1R0	MF RESISTOR	1Ω 2W J
R556	QRX029J-1R0	MF RESISTOR	1Ω 2W J
R561	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R562	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R581	QRE121J-100Y	C RESISTOR	10Ω 1/2W J
R582	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R583	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R584	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R585	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R586	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R587	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R588	QRE121J-100Y	C RESISTOR	10Ω 1/2W J
R589	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R590	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
⚠R591	QRJ149J-220	UNF C RESISTOR	22Ω 1/4W J
R592	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R593	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R594	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R595	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R601	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R602	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R603	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R610	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R611	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R612	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R621	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R622	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R623	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R624	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R626	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R627	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R628	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R629	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R631	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R632	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R633	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R637	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R638	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R639	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R640	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R644	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R645	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R647	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R648	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R650	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R651	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R652	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R653	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R656	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R657	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R700	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R701	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R718	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R728	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R739	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R740	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R764	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R766	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R767	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R769	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R811	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R812	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R816	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R821	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J
R822	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R827	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R857	QRL029J-820	OMF RESISTOR	82Ω 2W J
R901	QRF074K-1R2	UNF WW RESISTOR	1.2Ω 7W K
R909	QRG01GJ-470	OMF RESISTOR	47Ω 1W J
R911	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R912	QRT029J-R18	MF RESISTOR	0.18Ω 2W J
R913	QRT029J-R15	MF RESISTOR	0.15Ω 2W J
⚠R914	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J
⚠R915	QRK129J-6R8	UNF C RESISTOR	6.8Ω 1/2W J
⚠R917	QRK126J-332X	UNF C RESISTOR	3.3kΩ 1/2W J
R918	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R919	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J
R924	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R930	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R939	QRT039J-1R5	MF RESISTOR	1.5Ω 3W J
R940	QRE121J-181Y	C RESISTOR	180Ω 1/2W J
R941	QRL029J-183	OMF RESISTOR	18kΩ 2W J
R950	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R951	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R952	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R953	QRE121J-820Y	C RESISTOR	82Ω 1/2W J
R973	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R975	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R977	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R978	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R979	QRT029J-1R0	MF RESISTOR	1Ω 2W J
R980	QRT029J-1R0	MF RESISTOR	1Ω 2W J
⚠R998	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K
R999	QRE121J-121Y	C RESISTOR	120Ω 1/2W J
L001	QQL244K-560Z	COIL	56uH K
L101	QQLZ014-R22	COIL	0.22uH 100mA L
L113	QQL244K-4R7Z	COIL	4.7uH K
L131	QQL244K-150Z	COIL	15uH K
L161	QQL244K-220Z	COIL	22uH K
L232	QQL244K-560Z	COIL	56uH K
L241	QQL244K-220Z	COIL	22uH K
L391	QQL244K-220Z	COIL	22uH K
L511	QQR1027-005	LINEARITY COIL	
L512	QQLZ036-821	COIL	820uH K
L521	QQLZ026-800	COIL	80uH ±7%
L701	QQL244K-220Z	COIL	22uH K

⚠Ref No.	Part No.	Part Name	Description	Local
L702	QQL244K-220Z	COIL	22uH K	
L703	QQL244K-220Z	COIL	22uH K	
L704	QQL244K-220Z	COIL	22uH K	
L705	QQL244K-220Z	COIL	22uH K	
L931	QQL26AK-470Z	COIL	47uH K	
L933	QQL26AK-470Z	COIL	47uH K	
L937	QQL26AK-470Z	COIL	47uH K	
L940	QQR0582-001Z	FERRITE BEADS		
T111	QQR0907-001	IFT		
T501	CE42034-002	HOR DRIVE TRANS		
⚠T921	QQS0225-001	SW TRANSF		
⚠T951	QQT0372-001	POWER TRANSF		
CF001	QAX0349-001	C TRAP	47.25MHz	
CF131	QAX0639-001Z	C TRAP	4.500MHz	
CF161	QAX0642-001Z	C FILTER	4.500MHz	
CN001	QGB1505J1-35	CONNECTOR	B-B (1-35)	
CN004	QGA2501C5-07Z	CONNECTOR	W-B (1-7)	
CN005	QGA2501C5-06Z	CONNECTOR	W-B (1-6)	
CN007	QGA2501C5-06Z	CONNECTOR	W-B (1-6)	
CN00C	QGA2501F1-06	CONNECTOR	W-B (1-6)	
CN00K	QGA2501C5-05Z	CONNECTOR	W-B (1-5)	
CN00Q	QGA2501C5-03Z	CONNECTOR	W-B (1-3)	
CN0CP	CE41507-001P	LV CONNECTOR		
CN0E1	CE41507-001P	LV CONNECTOR		
CN0E3	CE41507-001P	LV CONNECTOR		
CN0HV	QGZ5004C1-06	CONNECTOR	(1-6)	
CN0S1	QGA2501C5-05Z	CONNECTOR	W-B (1-5)	
CN0SS	QGA2501C5-04Z	CONNECTOR	W-B (1-4)	
⚠CP932	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP933	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP936	ICP-N70-T	IC PROTECTOR	2.5A	
⚠F901	QMF51N1-5R0-J5	FUSE	5A AC125V	
⚠F905	QMFZ049-5R0Z-E	FUSE	5A 125V	
FC901	CEMG002-001Z	FUSE CLIP		
FC902	CEMG002-001Z	FUSE CLIP		
⚠FR525	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	
⚠FR527	QRZ9011-470	FUSI RESISTOR	47Ω 1/2W J	
HS001	LC32313-001A	HEAT SINK/AL-F/		
HS002	LC31948-001A	HEAT SINK/AL-F/		
HS003	LC31677-001A	HEAT SINK/AL-F/		
HS004	CEHE015-001WU	HEAT SINK		
HS005	CM42862-00G-H	HEAT SINK ASSY		
HS007	CEHT11B-002QS	HEAT SINK		
J601	QNN0349-002	PIN JACK	COMP IN	
J810	QNS0001-001	3.5 JACK	AV COMPLINK III	
K401	QQR0621-002Z	FERRITE BEADS		
K912	QQR0582-001Z	FERRITE BEADS		
K916	QQR0582-001Z	FERRITE BEADS		
K917	QQR0582-001Z	FERRITE BEADS		
K918	QQR0582-001Z	FERRITE BEADS		
K920	QQR0872-002	FERRITE BEADS		
K931	QQR0582-001Z	FERRITE BEADS		
K932	QQR0582-001Z	FERRITE BEADS		
K933	QQR0582-001Z	FERRITE BEADS		
K935	QQR0582-001Z	FERRITE BEADS		
K937	QQR0582-001Z	FERRITE BEADS		
LC601	QQR1199-001	EMI FILTER		
LC602	QQR1199-001	EMI FILTER		
LC603	QQR1199-001	EMI FILTER		
⚠LF901	QQR1159-001	LINE FILTER		
⚠LF902	QQR0527-004	LINE FILTER		
⚠RY951	QSK0085-001	RELAY		
SF101	QAX0723-001	SAW FILTER		
⚠TH901	QAD0132-3R0	P THERMISTOR	3Ω	
⚠TU001	QAU0274-001	TUNER		
⚠VA901	ERZV10V621CS	ZNR		
X701	QAX0717-001Z	CRYSTAL	8.000MHz	

DAF P.W. BOARD ASS'Y (SGJ-2503A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
Q2751	2SD601A/QR/-X	TRANSISTOR		
Q2752	2SD601A/QR/-X	TRANSISTOR		
Q2753	2SC4632	POW TRANSISTOR		
D2761	ES1F-LFG2	SI DIODE		
D2762	ES1F-LFG2	SI DIODE		
D2771	MTZJ33A-T2	Z DIODE		
C2701	QFV71HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C2751	QFLC1HJ-333Z	M CAPACITOR	0.033uF 50V J	
C2752	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C2753	QFZ0122-103	MPP CAPACITOR	0.01uF 1.8kV H	
C2761	QFZ0122-682	MPP CAPACITOR	6800pF 1.8kV H	
C2771	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
R2701	QRG01GJ-220	OMF RESISTOR	22Ω 1W J	
R2702	QRE121J-123Y	C RESISTOR	12kΩ 1/2W J	
R2703	QRZ0056-103Z	COMP RESISTOR	10kΩ 1/2W K	
R2751	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2752	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R2753	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R2754	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2755	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2756	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R2757	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2758	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R2761	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R2762	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R2763	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R2764	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R2765	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R2771	QRL039J-223	OMF RESISTOR	22kΩ 3W J	
L2701	QQLZ028-272	COIL	2.7mH	
T2701	QQR1153-001	DAF TRANSF		
CN200K	WJA0028-001A	E-S ID WIRE		
CN200Q	WJA0026-001A	E-S ID WIRE		
CN20CP	QUB573-26A6FX	SIN TWIST WIRE		
CN2DAF	CE41507-001P	LV CONNECTOR		

CRT SOCKET P.W. BOARD ASS'Y (SGJ-3504A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
Q3103	2SA933AS/QR/-T	TRANSISTOR		
Q3105	2SC1740S/QR/-T	TRANSISTOR		
Q3106	2SA933AS/QR/-T	TRANSISTOR		
Q3107	2SA1964/DE/	POW TRANSISTOR		
Q3108	2SC5248/DE/	POW TRANSISTOR		
Q3109	2SC1740S/QR/-T	TRANSISTOR		
Q3151	2SC1740S/QR/-T	TRANSISTOR		
Q3152	2SA933AS/QR/-T	TRANSISTOR		
Q3301	2SC5083/L-P/-T	TRANSISTOR		
Q3302	2SC5083/L-P/-T	TRANSISTOR		
Q3303	2SC5083/L-P/-T	TRANSISTOR		
Q3304	2SC5147/CDE/F43	POW TRANSISTOR		
Q3305	2SC5147/CDE/F43	POW TRANSISTOR		
Q3306	2SC5147/CDE/F43	POW TRANSISTOR		
Q3351	2SA933AS/QR/-T	TRANSISTOR		
D3101	1SS133-T2	DIODE		
D3105	RH1S-T3	SI DIODE		
D3106	RH1S-T3	SI DIODE		
D3301	1SS133-T2	DIODE		
D3302	1SS133-T2	DIODE		
D3303	1SS133-T2	DIODE		
D3304	1SS82-T2	SI DIODE		
D3305	1SS82-T2	SI DIODE		
D3306	1SS82-T2	SI DIODE		
D3311	MTZJ3.6B-T2	Z DIODE		
D3312	1SS133-T2	DIODE		
D3313	MTZJ4.3A-T2	Z DIODE		
D3314	1SS133-T2	DIODE		
D3331	1SS133-T2	DIODE		
D3351	1SS133-T2	DIODE		
D3352	1SS133-T2	DIODE		
D3353	1SS133-T2	DIODE		
D3354	1SS133-T2	DIODE		
D3361	RM2C-LFA1	SI DIODE		
C3101	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3109	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3110	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C3111	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C3113	QETN2CM-106Z	E CAPACITOR	10uF 160V M	
C3114	QCB32HK-472Z	C CAPACITOR	4700pF 500V K	
C3115	QCB32HK-472Z	C CAPACITOR	4700pF 500V K	
C3117	QETN2CM-106Z	E CAPACITOR	10uF 160V M	
C3118	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C3119	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C3120	QETN1AM-337Z	E CAPACITOR	330uF 10V M	
C3121	QCS32HJ-151Z	C CAPACITOR	150pF 500V J	
C3122	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
C3125	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
C3151	NCB21EK-104X	C CAPACITOR	0.1uF 25V K	
C3152	NCB21EK-104X	C CAPACITOR	0.1uF 25V K	
C3301	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C3302	NDC31HJ-391X	C CAPACITOR	390pF 50V J	
C3303	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C3321	QETN2EM-105Z	E CAPACITOR	1uF 250V M	
C3322	QETN2EM-105Z	E CAPACITOR	1uF 250V M	
C3323	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C3351	QETN1CM-337Z	E CAPACITOR	330uF 16V M	
C3361	QETN2EM-105Z	E CAPACITOR	1uF 250V M	
C3363	QCZ0324-102	C CAPACITOR	1000pF 3kV P	
R3108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3111	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3114	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R3115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3117	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3119	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
⚠R3122	QRZ9021-561	FUSI RESISTOR	560Ω 1W J	
R3123	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R3124	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
R3125	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3126	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R3127	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R3128	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R3129	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3130	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
R3131	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R3132	QRL029J-391	OMF RESISTOR	390Ω 2W J	
R3134	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3136	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R3139	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R3142	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R3143	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R3145	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3146	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3151	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3152	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R3153	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R3154	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3301	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R3302	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R3303	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R3304	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R3305	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R3306	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R3307	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3308	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3309	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3310	QRG029J-153	OMF RESISTOR	15kΩ 2W J	
R3311	QRG029J-153	OMF RESISTOR	15kΩ 2W J	
R3312	QRG029J-153	OMF RESISTOR	15kΩ 2W J	
R3313	QRG029J-183	OMF RESISTOR	18kΩ 2W J	
R3314	QRG029J-183	OMF RESISTOR	18kΩ 2W J	
R3315	QRG029J-183	OMF RESISTOR	18kΩ 2W J	
R3316	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3325	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R3326	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R3327	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R3331	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R3332	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R3333	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R3334	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3335	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R3336	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3337	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3351	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3352	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3353	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3354	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R3355	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R3361	QRC121K-105Z	COMP RESISTOR	1MΩ 1/2W K	
R3362	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R3363	QRC121K-474Z	COMP RESISTOR	470kΩ 1/2W K	
L3301	QQL244K-180Z	COIL	18uH K	
L3302	QQL244K-180Z	COIL	18uH K	
L3303	QQL244K-180Z	COIL	18uH K	
L3304	QQL244K-470Z	COIL	47uH K	
L3305	QQL244K-470Z	COIL	47uH K	
L3306	QQL244K-470Z	COIL	47uH K	
CN3004	QJB003-074022	SIN ID C-B WIRE		
CN3005	WJA0029-002A	E-S ID WIRE		
CN300V	QGA2501C5-03Z	CONNECTOR		W-B (1-3)
CN30E2	QUB130-46A6AS	SIN TWIST WIRE		
CN30E4	QUB130-46A6AS	SIN TWIST WIRE		
HS3010	CEHP00N-001QS	HEAT SINK		
HS3011	CEHP00N-001QS	HEAT SINK		
HS3012	CEHP00N-001QS	HEAT SINK		
HS3013	CEHP00N-001QS	HEAT SINK		
HS3014	CEHP00N-001QS	HEAT SINK		
K3102	CE41492-001Z	CHOKE COIL		
K3103	CE41492-001Z	CHOKE COIL		
K3104	CE41492-001Z	CHOKE COIL		
K3105	CE41492-001Z	CHOKE COIL		
⚠SK3001	CE42670-001	CRT SOCKET		

AV SELECTOR P.W. BOARD ASS'Y (SGJ-5502A-M2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6502A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
C6401	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6402	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C6403	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
R6401	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R6402	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6403	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6703	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6704	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R6705	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R6706	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
CN6006	QJB003-054010	SIN ID C-B WIRE		
CN6007	QJB003-064426	SIN ID C-B WIRE		
CN600B	QJB003-050806	SIN ID C-B WIRE		
J6401	QNN0281-003	PIN JACK		V IN
J6402	QNN0281-002	PIN JACK		L IN
J6403	QNN0282-001	PIN JACK		R IN
LC6401	QQR1199-001	EMI FILTER		
S6702	QSW0619-003Z	TACT SWITCH		MENU
S6703	QSW0619-003Z	TACT SWITCH		CH-
S6704	QSW0619-003Z	TACT SWITCH		CH+
S6705	QSW0619-003Z	TACT SWITCH		VOL-
S6706	QSW0619-003Z	TACT SWITCH		VOL+

LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

PRINTED WIRING BOARD PARTS LIST [AV-32FA44 /AZA]

MAIN P.W. BOARD ASS'Y (SGJ-1510A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC101	M52342SP	IC		
IC201	TM8812CSDNG4RR3	IC(MCU)		
IC421	LA7841	IC		
IC502	CXA1875AM-X	IC		
IC621	AN5277	IC		
IC702	AT24C04W-32FA44	IC	(SERVICE)	
IC703	S-80840CNY-T	IC		
IC704	AN78L05-T	IC		
IC851	AN7812F	IC		
IC852	AN7809F	IC		
IC853	AN7805F	IC		
⚠IC911	STR-F6626/F3	IC		
⚠IC921	SE135N	IC		
Q001	UN2212-X	DIGI TRANSISTOR		
Q101	2SC5083/L-P/-T	TRANSISTOR		
Q131	2SB709A/QR/-X	TRANSISTOR		
Q161	2SD601A/QR/-X	TRANSISTOR		
Q211	2SD601A/QR/-X	TRANSISTOR		
Q232	2SD601A/QR/-X	TRANSISTOR		
Q233	2SD601A/QR/-X	TRANSISTOR		
Q352	2SD601A/QR/-X	TRANSISTOR		
Q353	2SD601A/QR/-X	TRANSISTOR		
Q431	UN2212-X	DIGI TRANSISTOR		
Q451	2SD601A/QR/-X	TRANSISTOR		
Q501	2SC4212/Z1/	TRANSISTOR		
⚠Q511	2SD2645-YD	TRANSISTOR	H OUT	
Q531	2SC2785/JH/-T	SI TRANSISTOR		
Q532	2SB709A/QR/-X	TRANSISTOR		
Q541	2SB709A/QR/-X	TRANSISTOR		
Q542	2SB709A/QR/-X	TRANSISTOR		
Q543	2SD1408/OY/-LB	POW TRANSISTOR		
Q622	2SD601A/QR/-X	TRANSISTOR		
Q623	UN2212-X	DIGI TRANSISTOR		
Q624	2SB709A/QR/-X	TRANSISTOR		
Q625	2SB709A/QR/-X	TRANSISTOR		
Q626	2SD601A/QR/-X	TRANSISTOR		
Q627	2SD601A/QR/-X	TRANSISTOR		
Q701	2SB709A/QR/-X	TRANSISTOR		
Q951	2SD1383K/AB/-X	TRANSISTOR		
Q971	2SA1208/ST/Z1-T	TRANSISTOR		
D305	1SS133-T2	DIODE		
D306	1SS133-T2	DIODE		
D307	1SS133-T2	DIODE		
D308	1SS133-T2	DIODE		
D309	1SS133-T2	DIODE		
D310	1SS133-T2	DIODE		
D352	MTZJ9.1C-T2	Z DIODE		
D353	1SS133-T2	DIODE		
D354	MTZJ3.3A-T2	Z DIODE		
D421	1N4003-T2	SI DIODE		
D431	1SR35-400A-T2	SI DIODE		
D432	1SS133-T2	DIODE		
D501	RH3G-F1	SI DIODE		
D502	RU3AM-LFC4	SI DIODE		
D521	RH1S-T3	SI DIODE		
D523	EL1Z-T3	SI DIODE		
D524	EL1Z-T3	SI DIODE		
D525	1SS81-T5	SI DIODE		
D526	1SS81-T5	SI DIODE		
D527	1SR124-400A-T2	SI DIODE		
D529	MTZJ9.1C-T2	Z DIODE		
⚠D531	MA4068N/Z1/-T2	Z DIODE		
D535	1SS133-T2	DIODE		
D537	1SR35-400A-T2	SI DIODE		
D601	MTZJ9.1C-T2	Z DIODE		
D602	MTZJ9.1C-T2	Z DIODE		
D603	MTZJ9.1C-T2	Z DIODE		
D621	1SS133-T2	DIODE		
D622	1SS133-T2	DIODE		
D627	1SS133-T2	DIODE		
D630	1SS133-T2	DIODE		
D631	1SS133-T2	DIODE		
D653	1SS133-T2	DIODE		
D700	MTZJ5.6B-T2	Z DIODE		
D701	1SS133-T2	DIODE		
D703	MTZJ5.6B-T2	Z DIODE		
D704	MTZJ5.6B-T2	Z DIODE		
D705	1SS133-T2	DIODE		
D706	MTZJ5.6B-T2	Z DIODE		
D707	MTZJ5.6B-T2	Z DIODE		
D708	MTZJ5.6B-T2	Z DIODE		
D709	MTZJ5.6B-T2	Z DIODE		
D723	MTZJ5.6B-T2	Z DIODE		
D810	MTZJ5.6B-T2	Z DIODE		
⚠D901	GSIB460-S1	BRIDGE DIODE		
D910	MA700A-T2	SB DIODE		
D911	RGP10J-5025-T3	SI DIODE		
D912	RGP10J-5025-T3	SI DIODE		
D913	RGP10J-5025-T3	SI DIODE		
D914	1SS133-T2	DIODE		
D915	SARS01-T2	SI DIODE		
D917	MTZJ30A-T2	Z DIODE		
D918	MTZJ5.1C-T2	Z DIODE		
D920	1SS133-T2	DIODE		
D931	RU30A-F1	SI DIODE		
D933	RU3YX-LFC4	SI DIODE		
D935	RU3YX-LFC4	SI DIODE		
D937	RU3YX-LFC4	SI DIODE		
D941	MTZJ33A-T2	Z DIODE		
D945	MTZJ9.1B-T2	Z DIODE		
D952	1SS133-T2	DIODE		
D953	1SS133-T2	DIODE		
D954	1SR35-400A-T2	SI DIODE		
D955	1SR35-400A-T2	SI DIODE		
D956	1SR35-400A-T2	SI DIODE		
D957	1SR35-400A-T2	SI DIODE		
D972	MTZJ15C-T2	Z DIODE		
D973	1SS133-T2	DIODE		
⚠PC921	TLP421F/D4-GR/	PHOTO COUPLER		
C001	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C003	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C004	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C006	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C106	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C113	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C116	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C117	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C118	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C119	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C120	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C131	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C161	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C163	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C164	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C165	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C202	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C203	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C211	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	
C212	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C221	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C222	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C223	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C233	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C237	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C241	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C242	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C243	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C244	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C281	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C282	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C283	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C284	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C285	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C286	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C287	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C288	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C302	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C352	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C391	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C392	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C422	QFN32AK-102Z	M CAPACITOR	1000pF 100V K	
C424	QETN1VM-107Z	E CAPACITOR	100uF 35V M	
C428	QEHQ1VM-108	E CAPACITOR	1000uF 35V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C429	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C431	QFLC2AK-563Z	M CAPACITOR	0.056uF 100V K	
C432	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C433	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C435	NCB21HK-183X	C CAPACITOR	0.018uF 50V K	
C440	QCS32HJ-180Z	C CAPACITOR	18pF 500V J	
C501	QCB32HK-151Z	C CAPACITOR	150pF 500V K	
C502	QCB32HK-331Z	C CAPACITOR	330pF 500V K	
C503	QEHR2CM-105Z	E CAPACITOR	1uF 160V M	
C504	QEZ0203-107	E CAPACITOR	100uF 160V M	
C507	QEZ0195-475Z	BP E CAPACITOR	4.7uF 50V M	
⚠C510	QFZ0200-622	MPP CAPACITOR	6200pF 1.5kV H	
⚠C513	QFZ0198-133	MPP CAPACITOR	0.013uF 1.5kV H	
C514	QFP32GJ-273	PP CAPACITOR	0.027uF 400V J	
C516	QCB32HK-561Z	C CAPACITOR	560pF 500V K	
C521	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C523	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C524	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C525	QETN1VM-107Z	E CAPACITOR	100uF 35V M	
C526	QFV21HJ-824Z	MF CAPACITOR	0.82uF 50V J	
C527	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J	
C533	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C561	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C562	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C601	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C602	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C603	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C609	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C610	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C611	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C621	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C622	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	
C623	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C624	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	
C625	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C626	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C627	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C628	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C629	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C633	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C636	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C637	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C641	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C642	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C643	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C651	QFV71HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C652	QFV71HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C700	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C701	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C702	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C703	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C704	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C706	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C708	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C709	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C711	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C716	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C728	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C807	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C813	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C851	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C852	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C853	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C854	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C856	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C857	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
⚠C901	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	
⚠C902	QFZ9072-473	MM CAPACITOR	0.047uF AC250V K	
⚠C903	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	
⚠C904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
⚠C905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
⚠C906	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
C907	QEZ0644-567	E CAPACITOR	560uF 200V K	
⚠C908	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
C912	QCZ0340-222	C CAPACITOR	2200pF 2kV K	
C913	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J	
C914	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C916	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C917	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C918	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C919	QFP32GJ-103	PP CAPACITOR	0.01uF 400V J	
C931	QEZ0203-227	E CAPACITOR	220uF 160V M	
C932	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C933	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C934	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C935	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C937	QCZ0340-102	C CAPACITOR	1000pF 2kV K	
C938	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C939	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C941	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	
C942	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C943	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C951	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C952	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C971	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C972	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C973	QEHR1HM-106Z	E CAPACITOR	10uF 50V M	
⚠C997	QCZ9052-102	C CAPACITOR	1000pF AC125V M	
⚠C998	QCZ9074-103	C CAPACITOR	0.01uF AC250V M	
⚠C999	QCZ9074-103	C CAPACITOR	0.01uF AC250V M	
R002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R008	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R009	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R101	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R103	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J	
R105	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R111	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R117	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R118	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R132	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R133	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R134	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R161	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R162	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R163	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R164	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R167	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R169	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R171	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R212	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R215	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R222	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R231	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R237	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R238	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R241	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R243	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R281	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R282	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R283	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R286	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R287	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R288	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J	
R289	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R290	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J	
R292	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R293	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R301	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R302	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R303	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R318	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R319	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R352	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R354	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R355	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R356	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R358	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R360	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

⚠Ref No.	Part No.	Part Name	Description Local
R421	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R426	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R427	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J
R428	QRE121J-120Y	C RESISTOR	12Ω 1/2W J
R431	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R432	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R433	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R434	QRL029J-221	OMF RESISTOR	220Ω 2W J
R446	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R447	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R449	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R451	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R452	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R502	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R503	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R504	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J
R505	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J
R506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R509	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R511	QRE121J-220Y	C RESISTOR	22Ω 1/2W J
R512	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
R515	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R516	QRZ0221-2R0	OMF RESISTOR	2Ω 7W K
R517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R524	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R526	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R527	QRE121J-154Y	C RESISTOR	150kΩ 1/2W J
R528	QRE121J-154Y	C RESISTOR	150kΩ 1/2W J
R529	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
⚠R531	QRJ146J-391X	UNF C RESISTOR	390Ω 1/4W J
R532	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R533	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R534	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
⚠R535	NRVA02D-242X	CMF RESISTOR	2.4kΩ 1/10W D
⚠R537	NRVA02D-752X	CMF RESISTOR	7.5kΩ 1/10W D
R538	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R541	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R543	QRE121J-122Y	C RESISTOR	1.2kΩ 1/2W J
R544	QRE121J-392Y	C RESISTOR	3.9kΩ 1/2W J
R545	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J
R546	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R547	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R548	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J
R553	QRL039J-390	OMF RESISTOR	39Ω 3W J
⚠R554	QRK126J-150X	UNF C RESISTOR	15Ω 1/2W J
R555	QRX029J-1R0	MF RESISTOR	1Ω 2W J
R556	QRX029J-1R0	MF RESISTOR	1Ω 2W J
R561	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R562	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R581	QRE121J-100Y	C RESISTOR	10Ω 1/2W J
R582	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R583	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R584	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R585	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R586	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R587	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R588	QRE121J-100Y	C RESISTOR	10Ω 1/2W J
R589	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R590	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
⚠R591	QRJ149J-220	UNF C RESISTOR	22Ω 1/4W J
R592	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R593	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R594	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R595	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R601	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R602	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R603	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R610	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R611	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R612	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R621	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R622	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R623	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R624	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R626	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R627	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R628	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R629	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R631	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R632	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R633	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R637	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R638	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R639	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R640	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R644	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R645	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R647	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R648	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R650	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R651	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R652	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R653	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R656	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R657	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R700	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R701	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R718	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R728	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R739	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R740	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R764	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R766	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R767	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R769	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R811	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R812	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R816	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R821	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J
R822	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R827	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R857	QRL029J-820	OMF RESISTOR	82Ω 2W J
R901	QRF074K-1R2	UNF WW RESISTOR	1.2Ω 7W K
R909	QRG01GJ-470	OMF RESISTOR	47Ω 1W J
R911	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R912	QRT029J-R18	MF RESISTOR	0.18Ω 2W J
R913	QRT029J-R15	MF RESISTOR	0.15Ω 2W J
⚠R914	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J
⚠R915	QRK129J-6R8	UNF C RESISTOR	6.8Ω 1/2W J
⚠R917	QRK126J-332X	UNF C RESISTOR	3.3kΩ 1/2W J
R918	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R919	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J
R924	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R930	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R939	QRT039J-1R5	MF RESISTOR	1.5Ω 3W J
R940	QRE121J-181Y	C RESISTOR	180Ω 1/2W J
R941	QRL029J-183	OMF RESISTOR	18kΩ 2W J
R950	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R951	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R952	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R953	QRE121J-820Y	C RESISTOR	82Ω 1/2W J
R973	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R975	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R977	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R978	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R979	QRT029J-1R0	MF RESISTOR	1Ω 2W J
R980	QRT029J-1R0	MF RESISTOR	1Ω 2W J
⚠R998	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K
R999	QRE121J-121Y	C RESISTOR	120Ω 1/2W J
L001	QQL244K-560Z	COIL	56uH K
L101	QQLZ014-R22	COIL	0.22uH 100mA L
L113	QQL244K-4R7Z	COIL	4.7uH K
L131	QQL244K-150Z	COIL	15uH K
L161	QQL244K-220Z	COIL	22uH K
L232	QQL244K-560Z	COIL	56uH K
L241	QQL244K-220Z	COIL	22uH K
L391	QQL244K-220Z	COIL	22uH K
L511	QQR1027-006	LINEARITY COIL	
L512	QQLZ033-802	COIL	8mH
L521	QQLZ026-101	COIL	100uH ±7%
L701	QQL244K-220Z	COIL	22uH K
L702	QQL244K-220Z	COIL	22uH K
L703	QQL244K-220Z	COIL	22uH K

⚠Ref No.	Part No.	Part Name	Description	Local
L704	QQL244K-220Z	COIL	22uH K	
L705	QQL244K-220Z	COIL	22uH K	
L931	QQL26AK-470Z	COIL	47uH K	
L933	QQL26AK-470Z	COIL	47uH K	
L937	QQL26AK-470Z	COIL	47uH K	
L940	QQR0582-001Z	FERRITE BEADS		
T111	QQR0907-001	IFT		
T501	CE42034-002	HOR DRIVE TRANS		
⚠T921	QQS0225-001	SW TRANSF		
⚠T951	QQT0372-001	POWER TRANSF		
CF001	QAX0349-001	C TRAP	47.25MHz	
CF131	QAX0639-001Z	C TRAP	4.500MHz	
CF161	QAX0642-001Z	C FILTER	4.500MHz	
CN001	QGB1505J1-35	CONNECTOR	B-B (1-35)	
CN004	QGA2501C5-07Z	CONNECTOR	W-B (1-7)	
CN005	QGA2501C5-06Z	CONNECTOR	W-B (1-6)	
CN007	QGA2501C5-06Z	CONNECTOR	W-B (1-6)	
CN008	WJM0212-003A	E-SI C WIRE C-F		
CN009	QJB003-033626	SIN ID C-B WIRE		
CN00C	QGA2501F1-06	CONNECTOR	W-B (1-6)	
CN00K	QGA2501C5-05Z	CONNECTOR	W-B (1-5)	
CN00Q	QGA2501C5-03Z	CONNECTOR	W-B (1-3)	
CN0CP	CE41507-001P	LV CONNECTOR		
CN0E1	CE41507-001P	LV CONNECTOR		
CN0E3	CE41507-001P	LV CONNECTOR		
CN0HV	QGZ5004C1-06	CONNECTOR	(1-6)	
CN0S1	QGA2501C5-05Z	CONNECTOR	W-B (1-5)	
CN0SS	QGA2501C5-04Z	CONNECTOR	W-B (1-4)	
⚠CP932	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP933	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP936	ICP-N70-T	IC PROTECTOR	2.5A	
⚠F901	QMF51N1-5R0-J5	FUSE	5A AC125V	
⚠F905	QMFZ049-5R0Z-E	FUSE	5A 125V	
FC901	CEMG002-001Z	FUSE CLIP		
FC902	CEMG002-001Z	FUSE CLIP		
⚠FR525	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	
⚠FR527	QRZ9011-470	FUSI RESISTOR	47Ω 1/2W J	
HS001	LC32313-001A	HEAT SINK/AL-F/		
HS002	LC31948-001A	HEAT SINK/AL-F/		
HS003	LC31677-001A	HEAT SINK/AL-F/		
HS004	CEHE015-001WU	HEAT SINK		
HS005	CM42862-00G-H	HEAT SINK ASSY		
HS007	CEHT11B-002QS	HEAT SINK		
J601	QNN0349-002	PIN JACK	COMP IN	
J810	QNS0001-001	3.5 JACK	AV COMPLINK III	
K401	QQR0621-002Z	FERRITE BEADS		
K912	QQR0582-001Z	FERRITE BEADS		
K916	QQR0582-001Z	FERRITE BEADS		
K917	QQR0582-001Z	FERRITE BEADS		
K918	QQR0582-001Z	FERRITE BEADS		
K920	QQR0872-002	FERRITE BEADS		
K931	QQR0582-001Z	FERRITE BEADS		
K932	QQR0582-001Z	FERRITE BEADS		
K933	QQR0582-001Z	FERRITE BEADS		
K935	QQR0582-001Z	FERRITE BEADS		
K937	QQR0582-001Z	FERRITE BEADS		
LC601	QQR1199-001	EMI FILTER		
LC602	QQR1199-001	EMI FILTER		
LC603	QQR1199-001	EMI FILTER		
⚠LF901	QQR1159-001	LINE FILTER		
⚠LF902	QQR0527-004	LINE FILTER		
⚠RY951	QSK0085-001	RELAY		
SF101	QAX0723-001	SAW FILTER		
⚠TH901	QAD0132-3R0	P THERMISTOR	3Ω	
⚠TU001	QAU0274-001	TUNER		
⚠VA901	ERZV10V621CS	ZNR		
X701	QAX0717-001Z	CRYSTAL	8.000MHz	

DAF P.W. BOARD ASS'Y (SGJ-2502A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
Q2751	2SD601A/QR/-X	TRANSISTOR		
Q2752	2SD601A/QR/-X	TRANSISTOR		
Q2753	2SC4632	POW TRANSISTOR		
D2761	ES1F-LFG2	SI DIODE		
D2762	ES1F-LFG2	SI DIODE		
D2771	MTZJ33A-T2	Z DIODE		
C2701	QFV71HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C2751	QFLC1HJ-333Z	M CAPACITOR	0.033uF 50V J	
C2752	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C2753	QFZ0122-103	MPP CAPACITOR	0.01uF 1.8kV H	
C2761	QFZ0122-682	MPP CAPACITOR	6800pF 1.8kV H	
C2771	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
R2701	QRG01GJ-220	OMF RESISTOR	22Ω 1W J	
R2702	QRE121J-123Y	C RESISTOR	12kΩ 1/2W J	
R2703	QRZ0056-103Z	COMP RESISTOR	10kΩ 1/2W K	
R2751	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2752	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R2753	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R2754	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2755	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2756	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R2757	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2758	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R2761	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R2762	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R2763	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R2764	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R2765	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R2771	QRL039J-223	OMF RESISTOR	22kΩ 3W J	
L2701	QQLZ028-272	COIL	2.7mH	
T2701	QQR1153-001	DAF TRANSF		
CN200K	WJA0028-001A	E-S ID WIRE		
CN200Q	WJA0026-001A	E-S ID WIRE		
CN20CP	QUB573-26A6FX	SIN TWIST WIRE		
CN2DAF	CE41507-001P	LV CONNECTOR		

CRT SOCKET P.W. BOARD ASS'Y (SGJ-3503A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
Q3103	2SA933AS/QR/-T	TRANSISTOR		
Q3105	2SC1740S/QR/-T	TRANSISTOR		
Q3106	2SA933AS/QR/-T	TRANSISTOR		
Q3107	2SA1964/DE/	POW TRANSISTOR		
Q3108	2SC5248/DE/	POW TRANSISTOR		
Q3109	2SC1740S/QR/-T	TRANSISTOR		
Q3151	2SC1740S/QR/-T	TRANSISTOR		
Q3152	2SA933AS/QR/-T	TRANSISTOR		
Q3301	2SC5083/L-P/-T	TRANSISTOR		
Q3302	2SC5083/L-P/-T	TRANSISTOR		
Q3303	2SC5083/L-P/-T	TRANSISTOR		
Q3304	2SC5147/CDE/F43	POW TRANSISTOR		
Q3305	2SC5147/CDE/F43	POW TRANSISTOR		
Q3306	2SC5147/CDE/F43	POW TRANSISTOR		
Q3351	2SA933AS/QR/-T	TRANSISTOR		
D3101	1SS133-T2	DIODE		
D3105	RH1S-T3	SI DIODE		
D3106	RH1S-T3	SI DIODE		
D3301	1SS133-T2	DIODE		
D3302	1SS133-T2	DIODE		
D3303	1SS133-T2	DIODE		
D3304	1SS82-T2	SI DIODE		
D3305	1SS82-T2	SI DIODE		
D3306	1SS82-T2	SI DIODE		
D3311	MTZJ3.6B-T2	Z DIODE		
D3312	1SS133-T2	DIODE		
D3313	MTZJ4.3A-T2	Z DIODE		
D3314	1SS133-T2	DIODE		
D3331	1SS133-T2	DIODE		
D3351	1SS133-T2	DIODE		
D3352	1SS133-T2	DIODE		
D3353	1SS133-T2	DIODE		
D3354	1SS133-T2	DIODE		
D3361	RM2C-LFA1	SI DIODE		
C3101	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3109	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3110	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C3111	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C3113	QETN2CM-106Z	E CAPACITOR	10uF 160V M	
C3114	QCB32HK-472Z	C CAPACITOR	4700pF 500V K	
C3115	QCB32HK-472Z	C CAPACITOR	4700pF 500V K	
C3117	QETN2CM-106Z	E CAPACITOR	10uF 160V M	
C3118	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C3119	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C3120	QETN1AM-337Z	E CAPACITOR	330uF 10V M	
C3121	QCS32HJ-151Z	C CAPACITOR	150pF 500V J	
C3122	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
C3125	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
C3151	NCB21EK-104X	C CAPACITOR	0.1uF 25V K	
C3152	NCB21EK-104X	C CAPACITOR	0.1uF 25V K	
C3301	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C3302	NDC31HJ-391X	C CAPACITOR	390pF 50V J	
C3303	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C3321	QETN2EM-105Z	E CAPACITOR	1uF 250V M	
C3322	QETN2EM-105Z	E CAPACITOR	1uF 250V M	
C3323	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C3351	QETN1CM-337Z	E CAPACITOR	330uF 16V M	
C3361	QETN2EM-105Z	E CAPACITOR	1uF 250V M	
C3363	QCZ0324-102	C CAPACITOR	1000pF 3kV P	
R3108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3111	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3114	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R3115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3117	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3119	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
⚠R3122	QRZ9021-561	FUSI RESISTOR	560Ω 1W J	
R3123	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R3124	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
R3125	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3126	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R3127	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R3128	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R3129	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3130	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
R3131	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R3132	QRL029J-391	OMF RESISTOR	390Ω 2W J	
R3134	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3136	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R3139	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R3142	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R3143	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R3145	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3146	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3151	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3152	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R3153	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R3154	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3301	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R3302	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R3303	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R3304	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R3305	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R3306	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R3307	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3308	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3309	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3310	QRG029J-153	OMF RESISTOR	15kΩ 2W J	
R3311	QRG029J-153	OMF RESISTOR	15kΩ 2W J	
R3312	QRG029J-153	OMF RESISTOR	15kΩ 2W J	
R3313	QRG029J-183	OMF RESISTOR	18kΩ 2W J	
R3314	QRG029J-183	OMF RESISTOR	18kΩ 2W J	
R3315	QRG029J-183	OMF RESISTOR	18kΩ 2W J	
R3316	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3325	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R3326	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R3327	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R3334	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3335	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R3336	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3337	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3351	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3352	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3353	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3354	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R3355	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R3361	QRC121K-105Z	COMP RESISTOR	1MΩ 1/2W K	
R3362	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R3363	QRC121K-474Z	COMP RESISTOR	470kΩ 1/2W K	
L3301	QQL244K-180Z	COIL	18uH K	
L3302	QQL244K-180Z	COIL	18uH K	
L3303	QQL244K-180Z	COIL	18uH K	
L3304	QQL244K-470Z	COIL	47uH K	
L3305	QQL244K-470Z	COIL	47uH K	
L3306	QQL244K-470Z	COIL	47uH K	
CN3004	QJB003-073632	SIN ID C-B WIRE		
CN3005	WJA0029-002A	E-S ID WIRE		
CN300V	QGA2501C5-03Z	CONNECTOR	W-B (1-3)	
CN30E2	QUB130-42A6AS	SIN TWIST WIRE		
CN30E4	QUB130-42A6AS	SIN TWIST WIRE		
HS3010	CEHP00N-001QS	HEAT SINK		
HS3011	CEHP00N-001QS	HEAT SINK		
HS3012	CEHP00N-001QS	HEAT SINK		
HS3013	CEHP00N-001QS	HEAT SINK		
HS3014	CEHP00N-001QS	HEAT SINK		
K3102	CE41492-001Z	CHOKE COIL		
K3103	CE41492-001Z	CHOKE COIL		
K3104	CE41492-001Z	CHOKE COIL		
K3105	CE41492-001Z	CHOKE COIL		
⚠SK3001	CE42670-001	CRT SOCKET		

AV SELECTOR P.W. BOARD ASS'Y (SGJ-5502A-M2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6502A-M2)

REFER TO PARTS LIST IN PAGE 3-21 FOR THIS P.W. BOARD.

LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

PRINTED WIRING BOARD PARTS LIST [AV-36FA44 /AYA]

MAIN P.W. BOARD ASS'Y (SGJ-1507A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC101	M52342SP	IC		
IC201	TM8812CSDNG4RR3	IC(MCU)		
IC421	LA7841	IC		
IC501	LA6515	IC		
IC502	CXA1875AM-X	IC		
IC621	AN5277	IC		
IC702	AT24C04W-32FA44	IC	(SERVICE)	
IC703	S-80840CNY-T	IC		
IC704	AN78L05-T	IC		
IC851	AN7812F	IC		
IC852	AN7809F	IC		
IC853	AN7805F	IC		
⚠IC911	STR-F6626/F3	IC		
⚠IC921	SE135N	IC		
Q001	UN2212-X	DIGI TRANSISTOR		
Q101	2SC5083/L-P/-T	TRANSISTOR		
Q131	2SB709A/QR/-X	TRANSISTOR		
Q161	2SD601A/QR/-X	TRANSISTOR		
Q211	2SD601A/QR/-X	TRANSISTOR		
Q232	2SD601A/QR/-X	TRANSISTOR		
Q233	2SD601A/QR/-X	TRANSISTOR		
Q352	2SD601A/QR/-X	TRANSISTOR		
Q353	2SD601A/QR/-X	TRANSISTOR		
Q431	UN2212-X	DIGI TRANSISTOR		
Q451	2SD601A/QR/-X	TRANSISTOR		
Q501	2SC4212/Z1/	TRANSISTOR		
⚠Q511	2SD2645-YD	TRANSISTOR	H OUT	
Q531	2SC2785/JH/-T	SI TRANSISTOR		
Q532	2SB709A/QR/-X	TRANSISTOR		
Q541	2SB709A/QR/-X	TRANSISTOR		
Q542	2SB709A/QR/-X	TRANSISTOR		
Q543	2SD1408/OY/-LB	POW TRANSISTOR		
Q551	2SC1740S/QR/-T	TRANSISTOR		
Q552	2SA966/OY/-T	TRANSISTOR		
Q622	2SD601A/QR/-X	TRANSISTOR		
Q623	UN2212-X	DIGI TRANSISTOR		
Q624	2SB709A/QR/-X	TRANSISTOR		
Q625	2SB709A/QR/-X	TRANSISTOR		
Q626	2SD601A/QR/-X	TRANSISTOR		
Q627	2SD601A/QR/-X	TRANSISTOR		
Q701	2SB709A/QR/-X	TRANSISTOR		
Q951	2SD1383K/AB/-X	TRANSISTOR		
Q971	2SA1208/ST/Z1-T	TRANSISTOR		
D305	1SS133-T2	DIODE		
D306	1SS133-T2	DIODE		
D307	1SS133-T2	DIODE		
D308	1SS133-T2	DIODE		
D309	1SS133-T2	DIODE		
D310	1SS133-T2	DIODE		
D352	MTZJ9.1C-T2	Z DIODE		
D353	1SS133-T2	DIODE		
D354	MTZJ3.3A-T2	Z DIODE		
D421	1N4003-T2	SI DIODE		
D431	1SR35-400A-T2	SI DIODE		
D432	1SS133-T2	DIODE		
D501	RH3G-F1	SI DIODE		
D502	RU3AM-LFC4	SI DIODE		
D507	RGP10J-5025-T3	SI DIODE		
D521	RH1S-T3	SI DIODE		
D523	EL1Z-T3	SI DIODE		
D524	EL1Z-T3	SI DIODE		
D525	1SS81-T5	SI DIODE		
D526	1SS81-T5	SI DIODE		
D527	1SR124-400A-T2	SI DIODE		
D529	MTZJ9.1C-T2	Z DIODE		
⚠D531	MA4068N/Z1/-T2	Z DIODE		
D535	1SS133-T2	DIODE		
D537	1SR35-400A-T2	SI DIODE		
D601	MTZJ9.1C-T2	Z DIODE		
D602	MTZJ9.1C-T2	Z DIODE		
D603	MTZJ9.1C-T2	Z DIODE		
D621	1SS133-T2	DIODE		
D622	1SS133-T2	DIODE		
D627	1SS133-T2	DIODE		
D630	1SS133-T2	DIODE		
D631	1SS133-T2	DIODE		
D632	1SS133-T2	DIODE		
D700	MTZJ5.6B-T2	Z DIODE		
D701	1SS133-T2	DIODE		
D703	MTZJ5.6B-T2	Z DIODE		
D704	MTZJ5.6B-T2	Z DIODE		
D705	1SS133-T2	DIODE		
D706	MTZJ5.6B-T2	Z DIODE		
D707	MTZJ5.6B-T2	Z DIODE		
D708	MTZJ5.6B-T2	Z DIODE		
D709	MTZJ5.6B-T2	Z DIODE		
D723	MTZJ5.6B-T2	Z DIODE		
D810	MTZJ5.6B-T2	Z DIODE		
⚠D901	GSIB460-S1	BRIDGE DIODE		
D910	MA700A-T2	SB DIODE		
D911	RGP10J-5025-T3	SI DIODE		
D912	RGP10J-5025-T3	SI DIODE		
D913	RGP10J-5025-T3	SI DIODE		
D914	1SS133-T2	DIODE		
D915	SARS01-T2	SI DIODE		
D917	MTZJ30A-T2	Z DIODE		
D918	MTZJ5.1C-T2	Z DIODE		
D920	1SS133-T2	DIODE		
D931	RU30A-F1	SI DIODE		
D933	RU3YX-LFC4	SI DIODE		
D935	RU3YX-LFC4	SI DIODE		
D937	RU3YX-LFC4	SI DIODE		
D941	MTZJ33A-T2	Z DIODE		
D945	MTZJ9.1B-T2	Z DIODE		
D952	1SS133-T2	DIODE		
D953	1SS133-T2	DIODE		
D954	1SR35-400A-T2	SI DIODE		
D955	1SR35-400A-T2	SI DIODE		
D956	1SR35-400A-T2	SI DIODE		
D957	1SR35-400A-T2	SI DIODE		
D972	MTZJ15C-T2	Z DIODE		
D973	1SS133-T2	DIODE		
⚠PC921	TLP421F/D4-GR/	PHOTO COUPLER		
C001	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C003	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C004	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C006	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C106	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C113	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C116	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C117	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C118	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C119	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C120	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C131	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C161	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C163	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C164	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C165	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C202	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C203	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C211	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	
C212	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C221	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C222	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C223	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C233	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C237	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C241	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C242	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C243	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C244	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C281	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C282	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C283	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C284	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C285	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C286	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C287	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C288	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C302	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C352	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C391	QETN1CM-107Z	E CAPACITOR	100uF 16V M	

⚠Ref No.	Part No.	Part Name	Description Local
C392	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C422	QFN32AK-102Z	M CAPACITOR	1000pF 100V K
C424	QETN1VM-107Z	E CAPACITOR	100uF 35V M
C428	QEHQ1VM-108	E CAPACITOR	1000uF 35V M
C429	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C431	QFLC2AK-563Z	M CAPACITOR	0.056uF 100V K
C432	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C433	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C435	NCB21HK-183X	C CAPACITOR	0.018uF 50V K
C440	QCS32HJ-180Z	C CAPACITOR	18pF 500V J
C501	QCB32HK-151Z	C CAPACITOR	150pF 500V K
C502	QCB32HK-331Z	C CAPACITOR	330pF 500V K
C503	QEHR2CM-105Z	E CAPACITOR	1uF 160V M
C504	QEZ0203-107	E CAPACITOR	100uF 160V M
C505	QENC2AM-225Z	BP E CAPACITOR	2.2uF 100V M
C507	QEZ0195-475Z	BP E CAPACITOR	4.7uF 50V M
⚠C510	QFZ0200-422	MPP CAPACITOR	4200pF 1.5kV H
⚠C513	QFZ0198-153	MPP CAPACITOR	0.015uF
C514	QFP32GJ-223	PP CAPACITOR	0.022uF 400V J
C515	QFZ0199-474	MPP CAPACITOR	0.47uF 250V J
C516	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C521	QETN2EM-106Z	E CAPACITOR	10uF 250V M
C523	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C524	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C525	QETN1VM-107Z	E CAPACITOR	100uF 35V M
C526	QFV21HJ-824Z	MF CAPACITOR	0.82uF 50V J
C527	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J
C533	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C551	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J
C552	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J
C553	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C561	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C562	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C601	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C602	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C603	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C609	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
C610	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
C611	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
C621	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C622	NCF21CZ-105X	C CAPACITOR	1uF 16V Z
C623	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C624	NCF21CZ-105X	C CAPACITOR	1uF 16V Z
C625	QETN1VM-107Z	E CAPACITOR	100uF 35V M
C626	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C627	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M
C628	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C629	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C633	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C636	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C637	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C638	QFV71HJ-124Z	MF CAPACITOR	0.12uF 50V J
C639	QFV71HJ-124Z	MF CAPACITOR	0.12uF 50V J
C641	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C642	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C643	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C700	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C701	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C702	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C703	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C704	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C706	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C708	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C709	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C711	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C716	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C728	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C807	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C813	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C851	QETN1EM-107Z	E CAPACITOR	100uF 25V M
C852	QETN1EM-107Z	E CAPACITOR	100uF 25V M
C853	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C854	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C856	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C857	QETN1CM-477Z	E CAPACITOR	470uF 16V M
⚠C901	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
⚠C902	QFZ9072-473	MM CAPACITOR	0.047uF AC250V K
⚠C903	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
⚠C904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
⚠C905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
⚠C906	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
C907	QEZ0644-567	E CAPACITOR	560uF 200V K
⚠C908	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
C912	QCZ0340-222	C CAPACITOR	2200pF 2kV K
C913	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J
C914	QETN1HM-107Z	E CAPACITOR	100uF 50V M
C916	NDC31HJ-331X	C CAPACITOR	330pF 50V J
C917	NCB31HK-182X	C CAPACITOR	1800pF 50V K
C918	NCB21HK-104X	C CAPACITOR	0.1uF 50V K
C919	QFP32GJ-103	PP CAPACITOR	0.01uF 400V J
C931	QEZ0203-227	E CAPACITOR	220uF 160V M
C932	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C933	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C934	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C935	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C937	QCZ0340-102	C CAPACITOR	1000pF 2kV K
C938	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C939	QCB32HK-152Z	C CAPACITOR	1500pF 500V K
C941	QCB32HK-102Z	C CAPACITOR	1000pF 500V K
C942	QEHR1HM-105Z	E CAPACITOR	1uF 50V M
C943	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C951	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C952	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C971	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C972	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C973	QETN1HM-106Z	E CAPACITOR	10uF 50V M
⚠C997	QCZ9052-102	C CAPACITOR	1000pF AC125V M
⚠C998	QCZ9074-103	C CAPACITOR	0.01uF AC250V M
⚠C999	QCZ9074-103	C CAPACITOR	0.01uF AC250V M
R002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R008	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J
R009	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R101	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R103	QRE121J-101Y	C RESISTOR	100Ω 1/2W J
R104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J
R105	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J
R111	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J
R112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J
R113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R117	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R118	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R132	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R133	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R134	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R161	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R162	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R163	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R164	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R167	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R169	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R171	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R212	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R215	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R222	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R231	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R237	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R238	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R241	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R243	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R281	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R282	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R283	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R286	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R287	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R288	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J
R289	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R290	NRSA02J-561X	MG RESISTOR	560Ω 1/10W J
R292	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R293	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R301	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R302	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R303	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R318	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R319	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R352	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R354	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R355	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R356	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R358	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R360	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
R421	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R426	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R427	QRT029J-1R0	MF RESISTOR	1Ω 2W J
R431	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R432	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R433	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R434	QRL029J-221	OMF RESISTOR	220Ω 2W J
R446	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R447	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R449	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R451	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R452	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R502	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R503	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R504	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J
R505	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J
R506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R509	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R510	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R511	QRE121J-220Y	C RESISTOR	22Ω 1/2W J
R512	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
R513	QRL039J-273	OMF RESISTOR	27kΩ 3W J
R514	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R515	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R516	QRZ0221-2R0	OMF RESISTOR	2Ω 7W K
R524	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R526	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R527	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J
R528	QRE121J-154Y	C RESISTOR	150kΩ 1/2W J
R529	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
⚠R531	QRJ146J-391X	UNF C RESISTOR	390Ω 1/4W J
R532	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R533	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R534	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
⚠R535	NRVA02D-242X	CMF RESISTOR	2.4kΩ 1/10W D
⚠R537	NRVA02D-752X	CMF RESISTOR	7.5kΩ 1/10W D
R538	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R541	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R543	QRE121J-122Y	C RESISTOR	1.2kΩ 1/2W J
R544	QRE121J-392Y	C RESISTOR	3.9kΩ 1/2W J
R545	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J
R546	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R547	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R548	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J
R553	QRL039J-390	OMF RESISTOR	39Ω 3W J
⚠R554	QRK126J-150X	UNF C RESISTOR	15Ω 1/2W J
R555	QRX029J-1R0	MF RESISTOR	1Ω 2W J
R556	QRX029J-1R0	MF RESISTOR	1Ω 2W J
R558	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R561	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R562	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R581	QRE121J-100Y	C RESISTOR	10Ω 1/2W J
R582	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R583	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R584	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R585	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R586	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R587	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R588	QRE121J-100Y	C RESISTOR	10Ω 1/2W J
R589	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R590	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
⚠R591	QRJ149J-220	UNF C RESISTOR	22Ω 1/4W J
R592	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R593	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R594	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R595	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R601	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R602	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R603	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R610	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R611	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R612	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R621	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R622	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R623	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R624	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R626	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R627	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R628	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R629	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R631	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R632	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R633	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R637	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R638	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R639	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R640	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R644	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R645	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R647	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R648	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R650	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R651	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R652	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R653	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R656	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R657	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R700	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R701	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R718	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R728	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R739	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R740	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R764	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R765	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R766	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R767	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R769	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R811	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R812	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R816	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R821	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J
R822	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R827	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R857	QRL029J-820	OMF RESISTOR	82Ω 2W J
R901	QRF074K-1R2	UNF WW RESISTOR	1.2Ω 7W K
R909	QRG01GJ-470	OMF RESISTOR	47Ω 1W J
R911	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R912	QRT029J-R18	MF RESISTOR	0.18Ω 2W J
R913	QRT029J-R15	MF RESISTOR	0.15Ω 2W J
⚠R914	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J
⚠R915	QRK129J-6R8	UNF C RESISTOR	6.8Ω 1/2W J
⚠R917	QRK126J-332X	UNF C RESISTOR	3.3kΩ 1/2W J
R918	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R919	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J
R924	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R930	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R939	QRT039J-1R5	MF RESISTOR	1.5Ω 3W J
R940	QRE121J-181Y	C RESISTOR	180Ω 1/2W J
R941	QRL029J-183	OMF RESISTOR	18kΩ 2W J
R950	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R951	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R952	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R953	QRE121J-820Y	C RESISTOR	82Ω 1/2W J
R973	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R975	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R977	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R978	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R979	QRT029J-1R0	MF RESISTOR	1Ω 2W J
R980	QRT029J-1R0	MF RESISTOR	1Ω 2W J
⚠R998	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K
R999	QRE121J-121Y	C RESISTOR	120Ω 1/2W J
L001	QQL244K-560Z	COIL	56uH K
L101	QQLZ014-R22	COIL	0.22uH 100mA L
L113	QQL244K-4R7Z	COIL	4.7uH K

⚠Ref No.	Part No.	Part Name	Description	Local
L131	QQL244K-150Z	COIL	15uH K	
L161	QQL244K-220Z	COIL	22uH K	
L232	QQL244K-560Z	COIL	56uH K	
L241	QQL244K-220Z	COIL	22uH K	
L391	QQL244K-220Z	COIL	22uH K	
L511	QQR1027-005	LINEARITY COIL		
L512	QQLZ036-821	COIL	820uH K	
L521	QQLZ026-800	COIL	80uH ±7%	
L701	QQL244K-220Z	COIL	22uH K	
L702	QQL244K-220Z	COIL	22uH K	
L703	QQL244K-220Z	COIL	22uH K	
L704	QQL244K-220Z	COIL	22uH K	
L705	QQL244K-220Z	COIL	22uH K	
L931	QQL26AK-470Z	COIL	47uH K	
L933	QQL26AK-470Z	COIL	47uH K	
L937	QQL26AK-470Z	COIL	47uH K	
L940	QQR0582-001Z	FERRITE BEADS		
T111	QQR0907-001	IFT		
T501	CE42034-002	HOR DRIVE TRANS		
⚠T921	QQS0225-001	SW TRANSF		
⚠T951	QQT0372-001	POWER TRANSF		
CF001	QAX0349-001	C TRAP	47.25MHz	
CF131	QAX0639-001Z	C TRAP	4.500MHz	
CF161	QAX0642-001Z	C FILTER	4.500MHz	
CN001	QGB1505J1-35	CONNECTOR	B-B (1-35)	
CN004	QGA2501C5-07Z	CONNECTOR	W-B (1-7)	
CN005	QGA2501C5-06Z	CONNECTOR	W-B (1-6)	
CN007	QGA2501C5-06Z	CONNECTOR	W-B (1-6)	
CN00C	QGA2501F1-06	CONNECTOR	W-B (1-6)	
CN00K	QGA2501C5-05Z	CONNECTOR	W-B (1-5)	
CN00Q	QGA2501C5-03Z	CONNECTOR	W-B (1-3)	
CN0CP	CE41507-001P	LV CONNECTOR		
CN0E1	CE41507-001P	LV CONNECTOR		
CN0E3	CE41507-001P	LV CONNECTOR		
CN0HV	QGZ5004C1-06	CONNECTOR	(1-6)	
CN0S1	QGA2501C5-05Z	CONNECTOR	W-B (1-5)	
CN0SN	QGA2501C5-04Z	CONNECTOR	W-B (1-4)	
CN0SS	QGA2501C5-04Z	CONNECTOR	W-B (1-4)	
⚠CP932	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP933	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP936	ICP-N70-T	IC PROTECTOR	2.5A	
⚠F901	QMF51N1-5R0-J5	FUSE	5A AC125V	
⚠F905	QMFZ049-5R0Z-E	FUSE	5A 125V	
FC901	CEMG002-001Z	FUSE CLIP		
FC902	CEMG002-001Z	FUSE CLIP		
⚠FR525	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	
⚠FR527	QRZ9011-470	FUSI RESISTOR	47Ω 1/2W J	
HS001	LC32313-001A	HEAT SINK/AL-F/		
HS002	LC31948-001A	HEAT SINK/AL-F/		
HS003	LC31677-001A	HEAT SINK/AL-F/		
HS004	CEHE015-001WU	HEAT SINK		
HS005	CM42862-00G-H	HEAT SINK ASSY		
HS007	CEHT11B-002QS	HEAT SINK		
J601	QNN0349-002	PIN JACK	COMP IN	
J810	QNS0001-001	3.5 JACK	AV COMPLINK III	
K401	QQR0621-002Z	FERRITE BEADS		
K912	QQR0582-001Z	FERRITE BEADS		
K916	QQR0582-001Z	FERRITE BEADS		
K917	QQR0582-001Z	FERRITE BEADS		
K918	QQR0582-001Z	FERRITE BEADS		
K920	QQR0872-002	FERRITE BEADS		
K931	QQR0582-001Z	FERRITE BEADS		
K932	QQR0582-001Z	FERRITE BEADS		
K933	QQR0582-001Z	FERRITE BEADS		
K935	QQR0582-001Z	FERRITE BEADS		
K937	QQR0582-001Z	FERRITE BEADS		
LC601	QQR1199-001	EMI FILTER		
LC602	QQR1199-001	EMI FILTER		
LC603	QQR1199-001	EMI FILTER		
⚠LF901	QQR1159-001	LINE FILTER		
⚠LF902	QQR0527-004	LINE FILTER		
⚠RY951	QSK0085-001	RELAY		
SF101	QAX0723-001	SAW FILTER		
⚠TH901	QAD0132-3R0	P THERMISTOR	3Ω	
⚠TU001	QAU0274-001	TUNER		
⚠VA901	ERZV10V621CS	ZNR		
X701	QAX0717-001Z	CRYSTAL	8.000MHz	

DAF P.W. BOARD ASS'Y (SGJ-2501A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
Q2751	2SD601A/QR/-X	TRANSISTOR		
Q2752	2SD601A/QR/-X	TRANSISTOR		
Q2753	2SC4632	POW TRANSISTOR		
D2761	ES1F-LFG2	SI DIODE		
D2762	ES1F-LFG2	SI DIODE		
D2771	MTZJ33A-T2	Z DIODE		
C2701	QFV71HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C2751	QFLC1HJ-333Z	M CAPACITOR	0.033uF 50V J	
C2752	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C2753	QFZ0122-103	MPP CAPACITOR	0.01uF 1.8kV H	
C2761	QFZ0122-682	MPP CAPACITOR	6800pF 1.8kV H	
C2771	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
R2701	QRG01GJ-220	OMF RESISTOR	22Ω 1W J	
R2702	QRE121J-123Y	C RESISTOR	12kΩ 1/2W J	
R2703	QRZ0056-103Z	COMP RESISTOR	10kΩ 1/2W K	
R2751	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2752	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R2753	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R2754	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2755	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R2756	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R2757	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2758	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R2761	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R2762	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R2763	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R2764	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R2765	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R2771	QRL039J-223	OMF RESISTOR	22kΩ 3W J	
L2701	QQLZ028-272	COIL	2.7mH	
T2701	QQR1153-001	DAF TRANSF		
CN200K	WJA0028-001A	E-S ID WIRE		
CN200Q	WJA0026-001A	E-S ID WIRE		
CN20CP	QUB573-26A6FX	SIN TWIST WIRE		
CN2DAF	CE41507-001P	LV CONNECTOR		

CRT SOCKET P.W. BOARD ASS'Y (SGJ-3501A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
Q3103	2SA933AS/QR/-T	TRANSISTOR		
Q3105	2SC1740S/QR/-T	TRANSISTOR		
Q3106	2SA933AS/QR/-T	TRANSISTOR		
Q3107	2SA1964/DE/	POW TRANSISTOR		
Q3108	2SC5248/DE/	POW TRANSISTOR		
Q3109	2SC1740S/QR/-T	TRANSISTOR		
Q3151	2SC1740S/QR/-T	TRANSISTOR		
Q3152	2SA933AS/QR/-T	TRANSISTOR		
Q3301	2SC5083/L-P/-T	TRANSISTOR		
Q3302	2SC5083/L-P/-T	TRANSISTOR		
Q3303	2SC5083/L-P/-T	TRANSISTOR		
Q3304	2SC5147/CDE/F43	POW TRANSISTOR		
Q3305	2SC5147/CDE/F43	POW TRANSISTOR		
Q3306	2SC5147/CDE/F43	POW TRANSISTOR		
Q3351	2SA933AS/QR/-T	TRANSISTOR		
D3101	1SS133-T2	DIODE		
D3105	RH1S-T3	SI DIODE		
D3106	RH1S-T3	SI DIODE		
D3301	1SS133-T2	DIODE		
D3302	1SS133-T2	DIODE		
D3303	1SS133-T2	DIODE		
D3304	1SS82-T2	SI DIODE		
D3305	1SS82-T2	SI DIODE		
D3306	1SS82-T2	SI DIODE		
D3311	MTZJ3.6B-T2	Z DIODE		
D3312	1SS133-T2	DIODE		
D3313	MTZJ4.3A-T2	Z DIODE		
D3314	1SS133-T2	DIODE		
D3331	1SS133-T2	DIODE		
D3351	1SS133-T2	DIODE		
D3352	1SS133-T2	DIODE		
D3353	1SS133-T2	DIODE		
D3354	1SS133-T2	DIODE		
D3361	RM2C-LFA1	SI DIODE		
C3101	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3109	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3110	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C3111	NDC31HJ-221X	C CAPACITOR	220pF 50V J	

⚠Ref No.	Part No.	Part Name	Description	Local
C3113	QETN2CM-106Z	E CAPACITOR	10uF 160V M	
C3114	QCB32HK-472Z	C CAPACITOR	4700pF 500V K	
C3115	QCB32HK-472Z	C CAPACITOR	4700pF 500V K	
C3117	QETN2CM-106Z	E CAPACITOR	10uF 160V M	
C3118	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C3119	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C3120	QETN1AM-337Z	E CAPACITOR	330uF 10V M	
C3121	QCS32HJ-151Z	C CAPACITOR	150pF 500V J	
C3122	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
C3125	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C3151	NCB21EK-104X	C CAPACITOR	0.1uF 25V K	
C3152	NCB21EK-104X	C CAPACITOR	0.1uF 25V K	
C3301	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C3302	NDC31HJ-391X	C CAPACITOR	390pF 50V J	
C3303	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C3321	QETN2EM-105Z	E CAPACITOR	1uF 250V M	
C3322	QETN2EM-105Z	E CAPACITOR	1uF 250V M	
C3323	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C3351	QETN1CM-337Z	E CAPACITOR	330uF 16V M	
C3361	QETN2EM-105Z	E CAPACITOR	1uF 250V M	
C3363	QCZ0324-102	C CAPACITOR	1000pF 3kV P	
R3108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3111	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3114	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R3115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3117	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3119	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
⚠R3122	QRZ9021-561	FUSI RESISTOR	560Ω 1W J	
R3123	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R3124	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
R3125	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3126	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R3127	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R3128	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R3129	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3130	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
R3131	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R3132	QRL029J-391	OMF RESISTOR	390Ω 2W J	
R3134	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3136	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R3139	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R3142	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R3143	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R3145	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3146	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R3151	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3152	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R3153	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R3154	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3301	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R3302	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R3303	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R3304	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R3305	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R3306	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R3307	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3308	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3309	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3310	QRG029J-153	OMF RESISTOR	15kΩ 2W J	
R3311	QRG029J-153	OMF RESISTOR	15kΩ 2W J	
R3312	QRG029J-153	OMF RESISTOR	15kΩ 2W J	
R3313	QRG029J-183	OMF RESISTOR	18kΩ 2W J	
R3314	QRG029J-183	OMF RESISTOR	18kΩ 2W J	
R3315	QRG029J-183	OMF RESISTOR	18kΩ 2W J	
R3316	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3325	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R3326	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R3327	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R3331	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R3332	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R3333	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R3334	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3335	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R3336	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3337	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3351	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3352	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3353	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3354	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R3355	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R3361	QRC121K-105Z	COMP RESISTOR	1MΩ 1/2W K	
R3362	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R3363	QRC121K-474Z	COMP RESISTOR	470kΩ 1/2W K	
L3301	QQL244K-180Z	COIL	18uH K	
L3302	QQL244K-180Z	COIL	18uH K	
L3303	QQL244K-180Z	COIL	18uH K	
L3304	QQL244K-470Z	COIL	47uH K	
L3305	QQL244K-470Z	COIL	47uH K	
L3306	QQL244K-470Z	COIL	47uH K	
CN3004	QJB003-074022	SIN ID C-B WIRE		
CN3005	WJA0029-002A	E-S ID WIRE		
CN300V	QGA2501C5-03Z	CONNECTOR	W-B (1-3)	
CN30E2	QUB130-46A6AS	SIN TWIST WIRE		
CN30E4	QUB130-46A6AS	SIN TWIST WIRE		
HS3010	CEHP00N-001QS	HEAT SINK		
HS3011	CEHP00N-001QS	HEAT SINK		
HS3012	CEHP00N-001QS	HEAT SINK		
HS3013	CEHP00N-001QS	HEAT SINK		
HS3014	CEHP00N-001QS	HEAT SINK		
K3102	CE41492-001Z	CHOKE COIL		
K3103	CE41492-001Z	CHOKE COIL		
K3104	CE41492-001Z	CHOKE COIL		
K3105	CE41492-001Z	CHOKE COIL		
⚠SK3001	CE42670-001	CRT SOCKET		

AV SELECTOR P.W. BOARD ASS'Y (SGJ-5502A-M2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SGJ-6503A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
C6401	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6402	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C6403	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
R6401	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R6402	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6403	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6703	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6704	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R6705	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R6706	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
CN6006	QJB003-054010	SIN ID C-B WIRE		
CN6007	QJB003-064426	SIN ID C-B WIRE		
CN600B	QJB003-050806	SIN ID C-B WIRE		
J6401	QNN0281-003	PIN JACK	V IN	
J6402	QNN0281-002	PIN JACK	L IN	
J6403	QNN0282-001	PIN JACK	R IN	
LC6401	QQR1199-001	EMI FILTER		
S6702	QSW0619-003Z	TACT SWITCH	MENU	
S6703	QSW0619-003Z	TACT SWITCH	CH-	
S6704	QSW0619-003Z	TACT SWITCH	CH+	
S6705	QSW0619-003Z	TACT SWITCH	VOL-	
S6706	QSW0619-003Z	TACT SWITCH	VOL+	

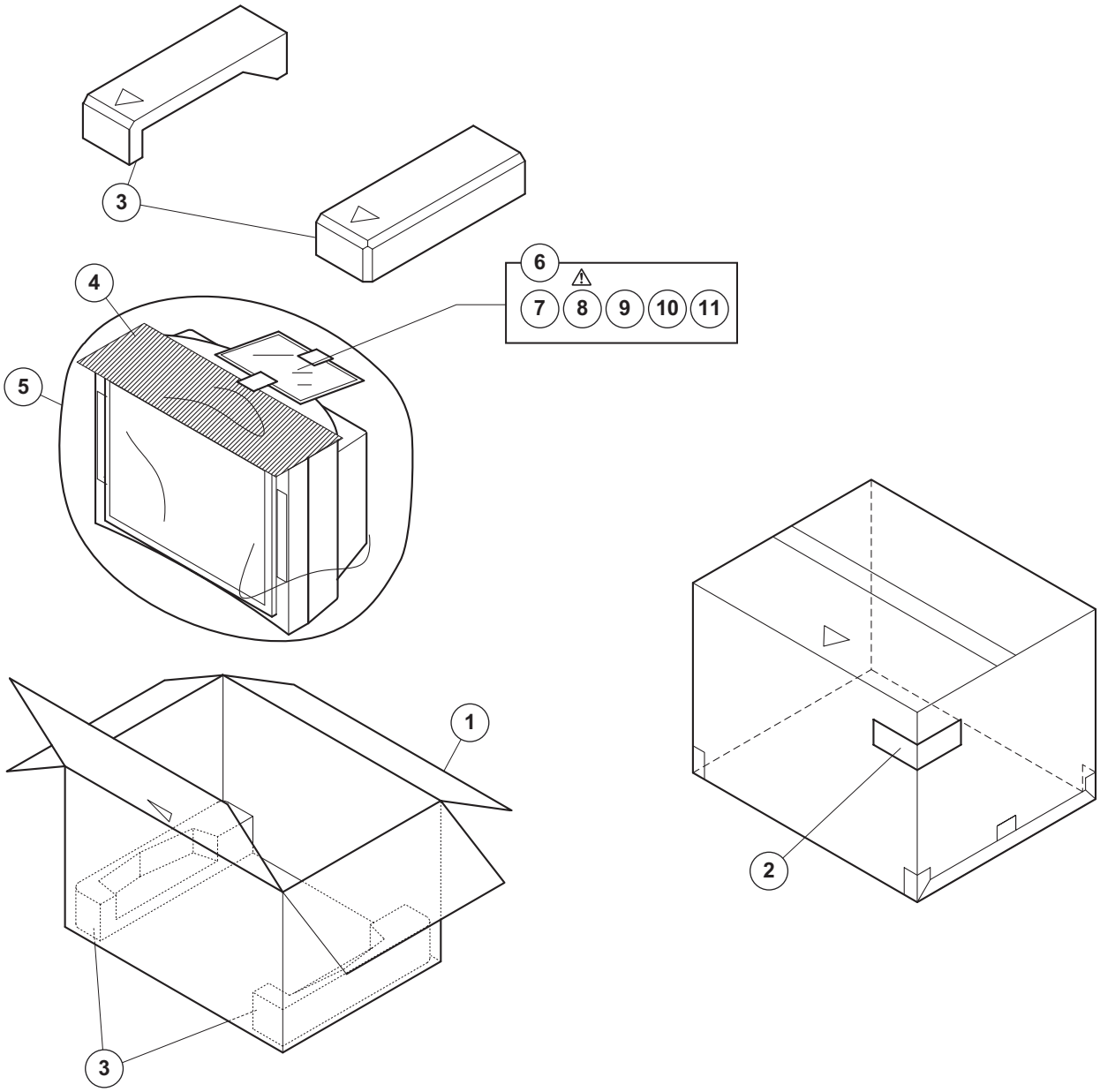
LED & POWER SW P.W. BOARD ASS'Y (SGJ-7502A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

REMOTE CONTROL UNIT PARTS LIST (RM-C1252G-1H)

⚠	Ref.No.	Part No.	Part Name	Description	Local
		UR77EC0603B	BATTERY COVER		

PACKING



PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	LC10181-032A-A	PACKING CASE		AV-27FA44/SA,AV-27FA44/ZA
	1	LC10181-033A-A	PACKING CASE		AV-32FA44/YA,AV-32FA44/AZA
	1	LC10181-034A-A	PACKING CASE		AV-36FA44/YA
	2	CM36616-001-A	CORNER LABEL		
	3	LC11575-002B-A	CUSHION ASSY	4pcs in 1set	AV-27FA44/SA,AV-27FA44/ZA
	3	LC11560-002B-A	CUSHION ASSY	4pcs in 1set	AV-32FA44/YA,AV-32FA44/AZA
	3	LC11576-002B-A	CUSHION ASSY	4pcs in 1set	AV-36FA44/YA
	4	CP30055-A02-A	TOP COVER		
	5	CP30056-A04-A	POLY BAG		
	6	QPA02503505	POLY BAG	25cm x 35cm	
	7	RM-C1251G-1H	REMOCON UNIT		
⚠	8	LCT1339-001A-A	INST BOOK		
	9	BT-51028-2Q	REGISTRATION C		
	10	BT-52006-2Q	WARRANTY CARD		
	11	---------	DRY BATTERY	R6P/AA(x2)	